ADMINISTRATION REPORT

OF THE

CANALS IN THE PUNJAB,

FOR THE YEAR 1901-1902.

GENERAL.

The direct receipts and expenditure of the Irrigation Department during the year were as follows :—

Class of Work.		Direct Receipts.	Direct Expenditure.		
			Capital.	Working Expenses.	Total.
		Rs.	Rs.	Rs.	Rs.
Major Irrigation Works	Imperial ...	1,31,60,831	38,72,719	40,82,705	79 55,424
	Contributions	44,037	*—4,117*	3,59,390	3,55,273
Minor Irrigation Works	Imperial ...	11,48,098	1,24,582	13,29,769	14,54,351
	Contributions	...	11,507	8,740	20,247
Provincial Canals		51,096	...	44,961	44,961
Grand Total ...		1,44,04,062	40,04,691	58,25,565	98,30,256
Average of the three years ending 1900-1901		1,32,15,620	39,17,062	53,55,527	92,72,589

In addition to the direct receipts, the indirect revenue credited to the canals on account of Enhanced Land Revenue amounted to Rs. 25,62,414. The average credit on this account of the three previous years amounts to Rs. 17,63,212.

The following table shows the areas irrigated by the several canals in 1901-1902, as compared with the average of the previous triennium :—

Names of Canals.		Average of the three years ending 1900-1901.	1901-1902.
Major Irrigation Works.		Acres.	Acres.
Western Jumna Canal ...	Imperial	594,177	550,916
	Patiala State	48,868	39,039
Bari Doab Canal		798,277	856,041
Sirhind Canal ...	Imperial	811,253	728,908
	Native States Branches ...	347,778	341,553
Chenab Canal		1,380,484	1,748,129
Jhelum Canal		...	65,367
Lower Sohag and Para (Inundation)		71,189	47,753
Sidhnai Canal		93,450	114,132
Total Major Irrigation Works.	Imperial	3,748,830	4,111,246
	Native States	396,646	380,592
Minor Irrigation Works.			
Upper Sutlej Inundation Canals		190,843	170,849
Lower Sutlej Inundation Canals		151,626	163,775
Chenab Inundation Canals		156,194	114,617
Indus Inundation Canals...		185,952	174,220
Shahpur Inundation Canals	Imperial	36,247	23,790
	Provincial	24,539	20,480
Muzaffargarh Inundation Canals		287,081	291,797
Ghaggar Inundation Canals	Imperial	21,706	14,840
	Bikanir State	12,229	7,153
Total Minor Irrigation Works.	Imperial	1,029,649	953,888
	Provincial	24,539	20,480
	Native States	12,229	7,153
Total Major and Minor Irrigation Works.	Imperial	4,778,479	5,065,134
	Provincial	24,539	20,480
	Native States	408,875	387,745
Grand Total ...		5,211,893	5,473,359

MAJOR IRRIGATION WORKS.

WESTERN JUMNA CANAL.

Capital Account.—The work remaining on the Chautung Nala Scheme was completed including the construction of a rest-house at Sonkhra. The Berikhera bridges over the Hansi Branch and a Jhind State Distributary were constructed. On the Delhi Branch, an Inspection House at Sampla and Revenue Quarters at Chirana, Sardhana and Silana, were completed. Those at Badli, Saragthal and Joshi were partly finished. The Divisional Office at Hissar, and the combined rest-house and Sub-Divisional Officer's Quarters at Sirsa were completed. Three foot bridges on the Hansi Branch, one foot bridge on the Satraud Branch of the Petwar Major Distributary and Revenue Quarters at Siswal, Hissar, Thurana, Rajpura, Narnoundh and Sorkhi were virtually completed. On the Butana Branch, a telegraph line was constructed from Safidon to Bainsi and Rohtak, and Signallers' Quarters and Offices at Sink, Rindhana and Rohtak were built; also new Revenue Quarters at Rindhana, Lahli, Chandi and Chang.

Extensions and Improvements.—The Shazadpur Bridge on the Main Line, Fatehgarh Diversion on the Main Line, a bridge on the Bazida Distributary and ferrymen's huts at Damla and Mamida on the Upper Main Line were completed. A new ferry was provided on the Main Line above Indri. Additions were made to the Radaur and Indri Rest-houses and the Divisional Quarters at Karnal. Revenue Quarters at Abdullapur and Rambha on the Main Line, at Chandana on the Sirsa Branch, were completed, those at Radaur on the Main Line, and Popra and Goli on Distributaries were partially constructed. The Head Regulator, Harsola Branch, Habri Distributary, was widened.

Mr. Kennedy's Module gates were put up at the heads of the Goli and Muana Distributaries and for Jhind Distributary No. 5. Widening the Butana Branch was begun.

The work of remodelling distributaries was virtually completed everywhere, except on the Sudkan Distributary, Sirsa Branch, on the Hissar Major Distributary, Hansi Branch, and on some of the Delhi Branch Distributaries.

Maintenance and Repairs.—The Canal Head at Tajewalla and subsidiary works were repaired and put into good order before the flood season. After the flood season, work was begun on remodelling a further length of 635 feet of the Weir on its right flank, and removing the large shoals which had accumulated there. Some large spurs were built before the rains to protect the right bank of the Somb Nala above Dadupur, but were entirely destroyed by the floods. The Pathrala Dam floor was thoroughly repaired. The Fatehgarh Embankment on the right bank of the Somb Nala below Dadupur was repaired where partially destroyed, and the toe of the slope strengthened.

The Hansi Branch was widened in miles 5 to 12, for $7\frac{1}{2}$ miles. Silting reaches at Munak and Safidon on the Hansi Branch were worked. The Canal Upper Main Line was diverted through the Chalaundi Swamp for 102 days during the rainy season of 1901, the net silt deposited being $114\frac{3}{4}$ lacs cubic feet or about half the quantity deposited during 1900. On the Delhi Branch, an Escape sluice was fixed in the Bowana Aqueduct to discharge into the Bowana Escape, and the widening of the Branch in miles 5 to 10 was completed.

A new iron girder bridge was commenced to replace a ferry at mile 64. The head of the Badala Branch of the Petwar Distributary was widened by the addition of another span of 6 feet.

Irrigation.—The following table shows the irrigation effected during 1901-02, as compared with the average of the two previous triennial periods.

Crops.	Average of the three years ending 1897-98.	Average of the three years ending 1900-1901.	1901-02.
	Acres.	Acres.	Acres.
Kharif	335,546	334,026	267,930
Rabi	388,339	309,019	322,025
Total ...	(*a*) 723,885	(*b*) 643,045	(*c*) 589,955

(*a*). Includes 60,983 acres irrigated on the Sirsa Branch in the Patiala State.
(*b*). Includes 38,868 acres ditto ditto
(*c*). Includes 39,039 acres ditto ditto

The irrigation in the Jhind State amounted to 40,839 acres.

Navigation.—The receipts during the year amounted to Rs. 65,530 and Maintenance Charges to Rs. 5,846, showing a profit of Rs. 59,684, as against a profit of Rs. 35,370 in 1900-01, and Rs. 53,207 in 1899-1900.

Financial results based on Collections.--The net income of the year amounted to Rs. 12,63,772, equivalent to 7·34 per cent. on the Capital expenditure. In the previous year the corresponding figures were Rs. 15,60,519, and 9·10, respectively. The decrease is due to the small Rabi area of 1900-01, and to the decrease in the Kharif crop of 1901-02, caused by the good cold weather rains in the first month of 1901.

Owners' rates to the amount of Rs. 20,847 were remitted on well lands and to revenue free holders and assignees.

General remarks.—The year has been a very unsatisfactory one as regards canal supply owing to the set of the river across the Weir at Tajewalla. The Kharif crop was a small one owing to the slack demand after good cold weather rains, and to the new watercourse arrangements for the recent remodelling of distributaries not being completed. The Rabi crop while below the normal, was a large area for the supply available; the early failure of the monsoons caused an intense demand which could not be fully met. Remissions of the demand, aggregating Rs. 16,942, were given.

The supply run during the Kharif was a little lower than in the previous year, giving the duty on the supply utilized as 64 acres against 91 of the previous year. During the Rabi the demand was much greater and consequently the duty, 115 acres, is higher than the previous year's duty which was 98 acres.

Bari Doab Canal.

Capital Account.—The expenditure on sub-head "Works" amounted to Rs. 3,83,753. The more important works done were the five new distributaries to irrigate the Bet Bangar and Riarki Tracts of the Sobraon Branch; and some new minors and extensions of the Lahore Branch, the Rakh Distributary, Hunjrah Branch Distributary, Maujoki Distributary, remodelling the Bhuchar Distributary and its Kahna Branch, and extending it to a tract beyond the Railway line, several extensions of the Thaman Distributary, two minors of the Doburji Distributary and the Zaffarki Distributary of the Main Branch Lower. The new Central Workshop at Amritsar was constructed and instituted from November 1901.

New rest houses were being built in connection with the distributaries at four or five places. Subordinates, Rest houses were built at fourteen places. A new set of flour mills was built complete at Nagoki on the Sobraon Branch. The Makhanwindi Drain to the Kasur Nallah was excavated. A needle-dam was built on the Main Line, Bari Doab Canal at Sujanpur; and other works.

Extensions and Improvements.—The expenditure amounted to Rs. 76,726. The more important works on which the money was spent were as follows: remodelling the Tughial Bridge, Main Line; a new bridge at Kala Bala, Kasur Branch Lower; remodelling and enlarging the Main Line and distributary rest houses at nine places. Building outhouses, cookhouses, stables, etc., at many places. Building two bridges over the Main Branch Lower, and making, improving and extending many subsidiary channels. The advanced Regulator at Tibri was remodelled.

Maintenance and Repairs.—The expenditure amounted to Rs. 4,22,764. The sum spent at Madhopur for River works was much more than during the former and recent years, as severe floods had prevailed. An annual closure admitted of heavy repairs, which had been postponed for some years, being carried out. They included repairs and renewals to certain rapids and repairs to falls, including that at Nanunangal where the floor had failed. Much of the work done will admit of higher supplies being sent down the Canal to Tibri and beyond in future. On the Main Branch Upper the Fattehnangal Distributary head failed and was rebuilt on an improved design; outlets were amalgamated and watercourses remodelled on many distributaries of the Main Branch Upper and Lahore Branch. Some of the older mills which showed signs of failing were rebuilt. On the Main Branch Lower the work of remodelling outlets on several distributaries was pushed on, and is now nearly complete. This and kindred work is of great importance towards conservation of water.

Irrigation.—The following table shows the areas irrigated during the year 1901-1902, as compared with the two previous triennia :—

Crops.	Average of the three years ending, 1897-98	Average of the three years ending, 1900-1901	1901-1902.
	Acres.	Acres.	Acres.
Kharif	335,932	393,212	375,247
Rabi	396,894	405,065	480,794
Total ...	732,826	798,277	856,041

It will be seen that the Canal still maintains its prestige, and no doubt the area could have been made larger had the new distributaries been ready for use, for the supplies were sufficiently plentiful during the year.

Financial Results based on Collections.—The net income of the year amounted to Rs. 22,00,202 being 11·50 per cent. on the Capital outlay. In the previous year the figures were Rs. 23,73,057 and 12·86, respectively.

Rainfall.—The mean rainfall of certain stations, as compared to averages, were as follows :—

District.	1901-1902.	Averages.
	Inches.	Inches.
Gurdaspur	23·20	34·49
Amritsar	18·65	21·51
Lahore	10·64	17·24
Montgomery	2·66	7·08

General remarks.—Several changes were made in the constitution of the divisions and a new sub-division was formed for the construction of the new

distributaries on the Sobraon Branch. The *chakbundi* work, which includes a thorough settlement of all areas commanded on distributaries and water-courses, was practically concluded, and this is a most important factor in the administration. The settlement and adjustment of disputes are now rendered easy on a sound and impartial basis, and one the justice of which is recognised by all the cultivating classes.

Remissions.—The areas of crops on which remissions were granted aggregated 3,168 acres and the water-rate remitted was Rs. 22,509.

The duties on supply utilized were for the Kharif, 86 acres, and for the Rabi, 221 acres per cusec.

SIRHIND CANAL.

Capital Account (Imperial).—The Rupar Workshop was dismantled, and all useful material was transferred to the Central Workshop, which has been established at Amritsar; the cart bridge at Gowaddi, and the conversion of two foot bridges at mile 17, Abohar Branch, and mile 42, Bhatinda Branch into cart bridges, were completed. A set of Outhouses, Revenue Quarters and Cookhouse was built at Akalgarh; twenty two Subordinates' Rest Houses were built and twenty were in progress; three Reservoirs for drinking water were built at Abulkharana, Rasulpur and Kundu-Khera; the Sub-Divisional Quarters for the Phul Sub-Division at Bhatinda was in progress and the additions to the Inspection House at Dhipai were completed; gates and gearing were fixed on 21 Minor Channel Heads.

Capital Account (Contribution).—Six Subordinates' Rest Houses were completed and one was in progress.

Extensions and Improvements (Imperial).—The ferry on the 9th mile, Main Line, was remodelled, a new bridge was provided for the Sherian Drain and improvements on the Budki and Sugh catch water drains were effected.

The Siswan Superpassage continued to remain under observation. Sheet piling across the canal bed below, and steel shields to replace the heavy stone-work parapet on the down-stream side of canal were determined on.

The Signallers' Quarters at Bhiwani were extended, and the Telegraph Offices and Quarters at Rasulpur and Raike were started; the new discharge Flume at miles 33 of the Bhatinda Branch was completed; remodelling miles 66-89 and 99-113, Abohar Branch were nearly completed, and the weir at mile 108 completed; the new Head for the Karamgarh and a superpassage for the Doda Distributary were completed. Regulators on the Teona Distributary and Mithri Branch were started.

Extensions and Improvements (Contribution).—On the Native States Branches the following works were completed:—Cook-house for Sub-Divisional Quarters at Harigarh; additions to Signallers Quarters, Berthala, iron gates and gearing for the Rohti, Nabha, Kotli, Dhaneta and Marori Distributaries; Hospital Assistants' Quarters at Lehal; and several other petty works.

Maintenance and Repairs (Imperial).—The floods and rainfall of 1901-02 were inconsiderable and scanty. The works on which expenditure was incurred during the year were:—Construction of new Spur at Khawaspur; completion of new silting reaches mile 24, Abohar Branch, and miles 15-17, Bhatinda Branch; remodelling of Kotkapura, Mukatsar, Malout and Teona Distributaries; remodelling of other distributaries and reduction of outlets were started.

Maintenance and Repairs (Contribution).—The works completed on the Native States Branches were:—Two silting reaches on both banks, 1st Feeder, miles 4-5; closing silt reaches Ghaggar Branch; pitching left bank Sirhind Nalah upstream of syphon, and at Choa Branch Head and other small works.

Irrigation.—The following table shows the irrigation effected during 1901-02, as compared with the average of the two previous triennial periods :—

Crops.	Average of the three years ending 1897-98	Average of the three years ending 1900-01	1901-1902
British Branches.	Acres.	Acres.	Acres.
Kharif...	265,308	332,457	175 393
Rabi	554,055	478,796	553,515
Total ...	819,363	811,253	728,908
Native States Branches.			
Kharif	104,337	146,598	86,121
Rabi	234,327	201,180	255,432
Total. ...	338,664	347,778	341,553
British and Native States Branches.			
Kharif	369,645	479,055	261,514
Rabi	788,382	679,976	808,947
Total ...	1,158,027	1,159,031	1,070,461

The area irrigated in the Kharif was smaller in every Branch than during the previous five years. Various causes contributed to this result. In the first place the rainfall of the year, 1900-01 was a most favourable one and a large winter crop was sown, both with and without the assistance of the canal. A large harvest resulted and cultivators were fully engaged in the early Kharif period. They therefore postponed Kharif sowings. A great many did so on account of a plague of destructive rats which manifested itself. Others again with the past year's experience, preferred to wait for the regular monsoons. The actual rainfall, however, was most disappointing. The monsoons began late and ended early. There was practically no rain after the 10th of August.

On the other hand the complete failure of the winter rains that followed resulted in a Rabi irrigation little short of the highest recorded. This result was secured in spite of the fact that the river supply was abnormally low during the whole period, especially during the maturing months. The demand was intense. All cultivation was dependent on the canal, which was worked to its utmost extent in rotational turns. The limiting duties were reached, and in the end, large remissions had to be given for crops which could not be matured. The percentage of remissions rose to 9·61, and in one Division (the largest) it was 11·95 against the usual 3·00. The Rabi of 1901-02 must, therefore, stand forth as a good criterion of the capability of this canal in an exceptional year. The duties secured in the various zones are valuable for the better determination of an economical allotment of supplies.

Navigation.—The traffic amounted to 4,995 tons valued at Rs. 1,99,297. The receipts from tolls were Rs 7,020 as against Rs. 7,171 last year, and as usual were mostly due to rafting. The Navigation Maintenance Charges amounted to Rs. 7,627, resulting in a loss of Rs. 607. The number of passengers carried was 16,360 against 24,546 in 1900-01, and 23,332 in 1899-1900 The marked decrease was due to plague at Rupar, between which and Doraha Railway Station all the passenger traffic is carried on. Steps are being taken to regulate this traffic with the view of better ensuring the safety of passengers.

Financial results based on collections. (British Branches).—The profit earned on the British Branches amounted to Rs. 14,69,677, equivalent to 6·00 per cent. on the Capital invested. This is lower than that secured for the last 5 years, and is due to the drop in irrigation of about 2⅓ lakhs of acres in the Rabi of 1900-01 compared with the previous Rabi, and about 2 lakhs of acres less for the whole year 1900-01. In 1900-01 the profit and percentages were Rs. 22,30,549 and 9·11, respectively. The working expenses of the year were Rs. 8,43,394 against Rs. 8,20,912 for the previous year, 1900-01.

The occupiers' rates collected amounted to Rs. 21,35,958 against Rs. 28,94,201 in 1900-01, and Rs. 29,27,238 in 1899-00. The balance of occupiers' rates uncollected at the end of the year was Rs. 1,47,837 which is an improvement compared with last year when it amounted to Rs. 6,23,313. The accumulation of this balance is attributed to the prevalence of plague in the Ludhiana and Ferozepore Districts and in the Native States. Complete realisation was impossible. A considerable portion of the balance has, however, been since realised during April and May 1902.

Financial results based on collections. (Native States Branches).—The collections amounted to Rs. 7,69,216 or Rs. 5,83,257 less than the previous year; and the assessment to Rs. 13,21,716 which is Rs. 4,20,367 more than in 1900-01.

The profit earned by the Native States Branches was 4·97 per cent. by collection and 12·12 per cent. by assessment on the total Capital expenditure incurred to the end of the year. The area assessed was about the average for the last six years but it exceeds that for 1900-01, the increase being due to the large Rabi consequent on a scanty rainfall.

General remarks.—The mean rainfall of the year over the irrigated tract, in each District, is compared below with the average mean of 18 years' records. The rainfall during the two crops have been shown separately to mark the extent of failure for each crop.

District.	Crops.	1901-02.	Average of 18 years.
		Inches.	Inches.
Ludhiana	Kharif ...	14·29	16·09
	Rabi ...	0·35	2·87
	Total ...	14·64	18·96
Ferozepore	Kharif ...	5·42	11·31
	Rabi ...	0·55	2·16
	Total ...	5·97	13·47
Native States Branches ...	Kharif ...	9·98	15·58
	Rabi ...	0·41	3·01
	Total ...	10·39	18·59

The comparatively small rainfall during the Kharif months (April to September) and the absolute failure of the winter rains (October to March) are characteristic of this year. Another feature of the year is worth recording. The plague epidemic towards the close of the year, especially in the Ludhiana District was of extraordinary severity. It was with great difficulty that the

heavy work of the closing months was carried out. The canal was closed from 26th of April till 16th May or 21 days for annual repairs. The supply in the river ran down in November and the rotational system of working the various branches was put into operation for the remainder of the period. There were only eleven very moderate river floods during the monsoon period. On the 20th of September the silt in the Main Canal amounted to 82 lakhs cubic feet. By the 1st of December this was reduced to 49½ lakhs. During the remaining months of the year the canal was practically free from silt, which was very satisfactory.

CHENAB CANAL.

Capital Account.—The expenditure during the year amounted to Rs. 6,70,270, and the total cost of the Canal, Direct and Indirect, is now Rs. 2,65,55,413. The expenditure of the year was incurred mainly on the following works:—Completion of the groynes on the right bank of the Chenab River; construction of spur "A" and cross spurs to I and G. H. of the training works above the Weir, Pandoki Discharge Run, New Minors for Vanike Distributary; extension of the Batere Minor; Hafizabad Distributary; extensions of the Chiniot, Dhaular, Khewra and Killianwala Distributary systems; construction of the Sharakpur, Nahra and Bahlak Distributaries; Project surveys for the tract east of the Main Line and Upper Gugera Branch, for the Sultan Pakhra and the Dangali Distributaries, the large tract at the tail of the Lower Gugera Division, the Khanki Division riverain tract, and others; Rest houses at Chuha Mal on the right bank of the Chenab River at R. D. 162,000, Chiniot Extension, six houses on the Dhaular and Khewra, six on the Sharakpur and Nahra, two on the Bahlak; Sub-Divisional quarters at Gojra and Wer; Telegraph offices at Gojra and Kot Lakhlana; several *Patwarkhanas* and other minor buildings; Iron Foot-bridge on the Mian Ali Branch; two Regulating dams on the Buralla Branch; outlets for the Tolwala Distributary; formation of new plantations.

For the Settlers.—A good deal of watercourse and culvert work was done in the Upper and Lower Gugera Divisions.

Extensions and Improvements.—Cut through island upstream of Khanki Weir; Spur W on left bank of river below Weir; remodelling of Vanike, Gajar Gola, Annah, Amipur, Satiana, Khan Chand, Fakirsar, Darsana, Gojra, Titran, Teku, Khewra, Bhawana, Feeder, Ghannu and other distributaries. Good progress was made in this respect particularly in the Jhang Division.

The outlets of several distributaries were also remodelled; the widths of district road bridges were increased; extra accommodation was provided for the Mills in the Lyallpur Division; Telegraph quarters were built at Ruralla, Tandliwala and Sandyanwala.

Maintenance and Repairs.—The Weir and Head works were thoroughly repaired; Chenanwan Regulator protected; considerable work done in strengthening and setting back banks of Main Line, Upper Gugera, Rakh, and Lower Gugera Branches and in working the silting tanks; several distributaries were thoroughly overhauled, and the channels generally maintained in efficient condition.

Irrigation.—The following table shows the irrigated areas of the year as compared with the averages of the two previous triennia:—

CROPS.	Average of the three years ending 1897-1898.	Average of the three years ending 1900-1901.	1901-1902.
	Acres.	Acres.	Acres.
Kharif	226,624	532,953	666,108
Rabi	340,114	847,531	1,082,021
TOTAL ...	566,738	1,380,484	1,748,129

The areas of the year do not include 21,242 acres in Kharif and 129,580 acres in the Rabi, watered but not assessed, because the crops failed or were poor in outturn. The abnormally large remissions for the Rabi crop were due to the very low supply afforded by the Chenab River, particularly in the maturing season, and to the failure of the winter rains.

Taking these areas into account, the total irrigated area of the year was 1,898,951 acres as compared with the project forecast of 678,500 acres. In spite of the remissions, the net Rabi area was slightly larger than the area of 1900-01. The Kharif area was smaller. This was due to the very large Rabi of 1900-01, to the scarcity of labour which precluded rapid harvesting operations, so that the cultivators had thus little leisure to devote to the early Kharif crop.

The Canal was closed for 8 days in April for repairs and for the construction of some new works. The Rabi rotational closures commenced in November, and were exceptionally severe owing to the unfavourable conditions of supply. The late monsoon and the winter rains were very poor, and caused an intense demand in the autumn and throughout the cold weather, until the river rose in April. The Kharif duty shows a fall as the area sown was smaller as explained above, and with a keener demand a far larger area might have been sown and matured. The Rabi duty, owing to the strong demand, shows a significant increase of about 34 per cent.

Financial results based on Collections.—The net revenue of the year amounted to Rs. 50,12,753, over half a crore, and equivalent to a return of 18·88 per cent. on the Capital invested, as compared with 14·01, the corresponding figure of the previous year. The remissions under Tenancy Rules were Rs. 17,69,063, and allowing 3 per cent. for collection, would have swelled the net revenue to Rs. 67,28,744, and the percentage of profit would then have been 25·34. If we take the assessments into account, deducting working expenses but including remissions under Tenancy Rules, the return amounts to Rs. 72,77,326, and the percentage of profit to 27·44.

The uncollected balance of the assessments was Rs. 2,03,750.

The accumulated net profits have increased from Rs. 43,05,843 at the end of 1900-01 to Rs. 82,97,643 at the close of the year under review.

General remarks.—A total of 919 acres of Crown waste land was allotted on the Rakh and Mian Ali Branches. The total allotted area on these Branches is now 444,332 acres. On the Jhang and Bhowana, 98,179 acres were allotted, bringing the total to 546,343 acres. On the Gugera and Buralla, 128,109 acres were given out and the total figure is now 702,657 acres. The grand total of allotted Crown waste at the end of the year was 1,693,332 acres.

Jhelum Canal.

Head Works.—During the year under review the Undersluices were completed, a dividing groyne was constructed between the Weir and Undersluices and the Weir itself was completed with the exception of the falling shutters, the material for which was not received in time from England. The downstream regulator wing walls were lengthened and quarters were built for the Regulating Establishment.

The river gave much trouble in May when some of the most disastrous of the floods that have occurred during the construction of the headwork, swept over the whole of the Weir and destroyed large quantities of material.

The river was successfully diverted from the right bank in December, and work was started on downstream flank bunds, which will be required in silting up the right hand deep channel of the river.

Excavation of Main Canal and Branches.—At the end of the year the excavation of the Main Line had been completed, except one third the width in a length of about six miles near the head. The excavation of the Southern Branch and Southern Feeder was pratically completed. The Sulki Feeder was completed as also the Sulki Escape, all except the arrangements for crossing the Sahiwal Inundation Canal.

Masonry Works on the Main Canal and Branches.—On the Main Canal six iron foot bridges and two inlets were begun and completed, and the concrete core walls at the Monah and Badshahpur Syphons were completed. On the Northern Branch all the bridges and falls were complete at the end of the year. On the Northern Feeder three bridges were in hand. On the Sulki Branch and Sulki Feeder the whole of the masonry works had been completed. On the Sulki Escape all the masonry works were complete with the exception of one inlet. On the Southern Branch and Southern Feeder two combined bridges and falls, and six road bridges, were completed ; one very large Syphon, and six iron foot bridges, were nearly completed.

A Subordinate's rest house and telegraph office were constructed at Ala on the Main Line, whilst one Inspection Bungalow was finished and three others begun on the the Southern Branch. Five bungalows were completed on the Sulki Branch and its off-takes, whilst two were completed on the Northern Feeder. In adition to the above nine more are under construction on the distributaries of the various branches.

Distributaries, Main Line.—No. 4-R has been opened to irrigation, water course schemes have been sanctioned and a considerable extension is in hand.

Northern Branch.—Nos. 6 R and 7 L are completed, Nos. 4 R, 7 R, 8 L and 9 L are in hand.

Southern Branch.—Nos. 1 R, 2 R, 4 R and 5 R are practically complete.

Sulki Branch.—The Faruka and Ghazni Distributaries, with all their branches and minors, were completed.

Surveys.—The whole of the Chenab Khadir tract has been surveyed and levelled over and marked with cross lines.

Telegraphs and Railways.—The Canal telegraph line was completed from the head of the canal down the whole length of the Main Line and the Northern, and Sulki Branches. Earthwork was started on the Jech Doab Railway.

Colonization.—A Colonization officer and his staff have been appointed, and watercourse schemes have been worked out for Government waste lands on ten distributaries.

Capital expenditure.—The direct expenditure incurred by this department on the Canal works proper, amounted to Rs. 24,18,894, and with the indirect charges brought up the expenditure debited against the project at the end of the year to Rs. 94,63,053.

The works were so far advanced by October 1901, that on the 30th of that month the Canal was formally opened by His Honor Sir Mackworth Young, K. C. S. I., Lieutenant Governor of the Punjab.

Revenue Account.—A Revenue Account has been opened showing cost of working expenses only—no revenue was realized during the year, as the irrigation effected was free of charge.

Maintenance and Repairs.—The expenditure under this head amounted Rs. 5,361, and was incurred mainly on repairs to permanent and temporary buildings, and repairs to the Sulki Branch and its distributaries.

Irrigation.—The following areas were irrigated free of charge :—

District.	1901-1902.		
	Kharif.	Rabi.	Total.
	Acres.	Acres.	Acres.
Shahpur	11,889	49,035	60,924
Jhang	39	4,404	4,443
Total ...	11,928	53,439	65,367

Lower Sohag and Para Canal.

Capital Account.—The following works were a charge against capital :—The Malka Hans and Dhapai Distributaries, Dam and Regulator for Head of same and completing the Gurditta Resthouse. The amount spent on sub-head "Works" was Rs. 20,057.

Extensions and Improvements.—The charges were for completing the new Ahmed ka Dona leading channel.

Maintenance and Repairs.—The chief work, besides silt clearances, was a widening and berm cutting of the main line of the Canal above and below Haveli and as far as Kalewal. The silt clearances were heavy.

Irrigation.—The following statement shows the irrigation as effected during the year 1901-1902, as compared with the previous triennia :—

Crops.	Average of the three years ending. 1897-98.	Average of the three years ending. 1900-1901	1901-1902.
	Acres.	Acres.	Acres.
Kharif	40,375	41,728	29,362
Rabi	38,525	29,461	18,391
Total ...	78,900	71,189	47,753

The falling off is due to an unfavourable river, the position of the main stream and the want of creeks along the right bank. Even well designed channels are silted by reason of the erosions set in by violent action above the off-takes. The areas now reported do not include 8,179 acres of Kharif kharaba, and 10 of Rabi.

The area irrigated in the crown-waste villages was only 23,301 acres, and is less than that of any one of the previous six years.

Forty new wells were made and 33 of the old ones fell in, so that the number of wells available is 720 out of the 750 required to be sunk in the Colonies.

Financial results based on collections.—The year's operations indicate a profit of 6·31 per cent. on the Capital outlay, as the net revenue was Rs. 48,346. In the previous year the profit was 2·60 per cent. and net revenue Rs. 19,083. The outstanding balance of water-rate was Rs. 5,524, and of water advantage rate, Rs. 10,487.

General Remarks.—The rain-fall of the Montgomery District was normal and varied from 1·77 to 7·77 inches. The Canal was opened two days later than in the previous year, due to an unfavourable condition of the river, while on the 30th September it ceased to flow. The Canal flowed for 145 days as compared with 164 days of the previous year. The unfavourable working involved heavy remissions on the Kharif crop. The question of linking this Canal to the Upper Sohag Canal is under consideration and so far as can be seen offers great advantages.

SIDHNAI CANAL.

Capital Account.—The only work done under this head is the remodelling and extension of the Rawan, Kukarhatta and Munganwala Distributaries of the Sidhnai Canal to irrigate land formerly served by the Mattithal Inundation Canal.

Account of excess recoveries from settlers.—The amount held in deposit in the Public Works Department at the end of 1901-1902 was Rs. 6,654. No expenditure was incurred against these deposits except a small refund of Rs. 57 due to an erroneous recovery.

Extensions and Improvements.—Expenditure was chiefly incurred in continuing the remodelling of the Sidhnai Canal and making alterations in the Central Office at Mooltan. A telephone office was built at Jodhpur Inspection House and a small bridge on the Rawan extension.

Irrigation.—The following table shows the irrigation effected during 1901-1902 as compared with the average of the two previous triennia :—

Crops.	Average of three years ending 1897-1898.	Average of three years ending 1900-01.	1901-1902.
	Acres.	Acres.	Acres.
Kharif	90,532	48,422	(a) 73,954
Rabi	59,998	45,028	(b) 40,178
Total ...	150,530	93,450	114,132

(a) Excludes 35,843 acres of failed or damaged crops.
(b) do. 38,449 do. do.

The Sidhnai Canal was in flow for 190 days during the year as compared with 228 days and 161 days on the triennial periods ending 1897-98 and 1900-1901. The percentages of failed crops in 1901-1902 were 30 for the Kharif and 49 for the Rabi on the Sidhnai and 49 for Kharif and 50 for the Rabi on the Subsidiary Canals.

Financial results based on collections.--The year was a favourable one, resulting in a net profit of Rs. 3,13,529 which is equivalent to 24·50 per cent. on the Capital outlay, against a profit of Rs 73,524 and 5·81 per cent. of the previous year.

General remarks.—The area matured during the year was rather less than the average of the previous six years. The season was from April till October ; the Sidhnai Canal being in flow for 190 days against 260 days in 1900-01, while for the Subsidiary Canals the average was 33 per cent. less as they do not run in low river supplies.

The corresponding figures for Subsidiary Canals were :—

Canals.	Average of three years ending 1897-98.	Average of three years ending 1900-1901.	1901-1902.
	Days.	Days.	Days.
Koranga	130	102	130
Fazilshah	130	106	118
Abdul Hakim	134	105	136

The rainfall amounted to 3·27 inches, the average for the previous 39 years being 6·05. It was therefore considerably below the normal.

MINOR IRRIGATION WORKS.

Upper Sutlej Inundation Canals.

This group of Canals includes the Katora, the Khanwah and the Upper Sohag.

Capital Account.—The only expenditure is a sum of Rs. 5,660 under sub-head "Works" on constructing a first class Resthouse at Dhuliana on the Khanwah Canal.

Extensions and Improvements.--The works carried out during the year include a minor to Attari Akiki on the Kangunpur Distributary : an extension of the Kaler Distributary ; payment of incidental expenditure of the Nijabat Cut of the Khanwah and some petty works. The amount expended is Rs. 18,403 as against Rs. 13,378 in the previous year.

Maintenance and Repairs.—The expenditure amounted to Rs. 1,27,034 against Rs 1,59,541 in the previous year, the main item as usual being silt clearances. The Main Line of the Katora Canal was widened under this head from Khudian for about ten miles upstream. The constant improvement and rectification of defects is kept in mind and carried out as far as funds permit.

Irrigation.—The following statement shows the irrigation effected for the year under report as compared with the two previous triennia :—

Crops.	Average of the three years ending 1897-1898.	Average of the three years ending 1900-1901.	1901-1902.
	Acres.	Acres.	Acres.
Kharif	93,225	107,020	103,997
Rabi	78,553	83,823	66,852
Total ...	171,778	190,843	170,849

The river proved unfavourable during the flow season which caused a decrease as compared to the previous average. The aggregate areas of remissions were for the Kharif, 16,951 acres, equivalent to a water-rate of Rs. 35,204, and in the Rabi 32 acres on which Rs. 22 were remitted.

Financial results based on collections.—The year's operations resulted in a profit of Rs. 3,65,741, equivalent to Rs. 43·20 per cent. on the Capital. In the previous year the profit was Rs. 16,361, and percentage 1·95. The uncollected balance of water-rate was 19,966 and water advantage rate Rs. 15,121.

General remarks.—These Canals were opened somewhat later than in the previous year, and ceased to flow on the dates noted below :—

Katora Canal	21st October 1901.
Khanwah Canal	19th " "
Upper Sohag Canal	19th " "

The measures that appear to be most immediately important on this group of Canals is to link them up, so that in the event of one failing, it may be aided by its neighbour. There is often much spare water run to escape in the Katora Canal. Another proposal is to construct more distributaries on the Khanwah and Upper Sohag Canals as has been done on the Katora and Lower Sohag systems. This is being considered.

Lower Sutlej Inundation Canals.

Capital Account.—There is no Capital Account on these canals.

Extensions and Improvements.—Two considerable schemes of extensions and improvements were taken up and for the most part carried out during this year. The first was the amalgamation of the "Jamwah Kalan" Canal with "Diwanwah" and of arrangements for the future inclusion of "Bahawalwah Mailsi" also; and the second was regrading and improving the "Mohamedwah," "Sardarwah" and "Bahawalwah Lodhran" Canals, and of providing them with a system of distributaries. Part of the work was done during 1900-1901, but the greater part has been done during the current year. In connection with these schemes various masonry works were completed or put in hand during the year, including two double regulators, five falls, two bridges and numerous small stop dams, while nearly 700 lakhs of earthwork were done. A new Inspection House at Karampur was built.

Irrigation.—The following table shows the irrigation, including the Hajiwah Canal, effected during the year as compared with the average of the two previous triennia :—

Crops.	Average of the three years ending 1897-1898.	Average of the three years ending 1900-1901.	1901-1902.
	Acres.	Acres.	Acres.
Kharif	75,366	72,360	(a) 86,046
Rabi	89,538	79,266	(b) 77,729
Total ...	164,904	151,626	163,775

(a). Excludes 36,408 acres of "Kharaba" or failed crops.
(b). Do. 12,834 do. do.

The large proportion of failed crops is due to an early fall in the river and to low supplies at the end of the season.

Zar-i-nagha Fund Account.—The collections amounted to Rs. 57,900 against Rs. 41,909 realized during the previous year. The increase is due to the recovery of a large balance of Rs. 14,140 which remained outstanding at the end of the previous year. The balance at credit of the fund at the end of the year amounted to Rs. 31,953 against Rs. 16,118 in 1900-1901.

Financial results based on collections.—The working of the canals resulted in a profit of Rs. 1,00,684 against a profit of Rs. 52,709 in the previous year.

General Remarks.—The year was on the whole not very favourable for the working of the canals in which the supplies were generally below the average throughout the season, and especially so towards the close of it, and hence the area irrigated was not above the average. The area would have been lower but for the new distributary system that had been partially introduced, which enabled a more efficient use being made of low supplies.

Rainfall as recorded at :—

Name of Station.	1900-1901.	1901-1902.
	Inches.	Inches.
Shujabad	5·19	1·60
Mailsi	6·13	4·92
Lodhran	5·26	6·09

Chenab Inundation Canals.

Capital Account.—There is no Capital Account on these canals.

Extensions and Improvements.—The principal works were a triple Regulator on the Sikandarwah Canal; a needle Regulator on the Sikandarabad Canal; a railway skew bridge over the Daurana Langana Canal and various minor stop-dams. A considerable amount of levelling in connection with the proposed extension of the Gajjuhatta Canal was done.

Maintenance and Repairs.—Very heavy repairs were done to the Wali Mohamed and Sikandarabad Canals partly in silt clearance and partly in improving the banks. The supply channels received special attention, and are now much more efficient. Various other special repairs were done, and the canals were cleared and maintained in good order.

Irrigation.—The following table compares the irrigation effected with the averages of the two previous triennia :—

Crops.	Average of the three years ending 1897-1898.	Average of the three years. ending 1900-1901	1901-1902
	Acres.	Acres.	Acres.
Kharif	77,642	69,097	(*a*) 57,200
Rabi	79,261	87,097	(*b*) 57,417
Total ...	156,903	156,194	114,617

(*a*). Excludes 20,604 acres of failed or damaged crops.
(*b*). Do. 9,131 do. do.

The decrease is due to the River Chenab being late in rising, and falling early, while there was an absence of floods leading to a general insufficiency of supply. The failed area represents 26 per cent. in the Kharif and 14 per cent. in the Rabi.

Zar-i-nagha Fund Account.—The collections amounted to Rs. 13,378, and the balance at the close of the year was Rs. 13,304. The *chher* system has been abolished and this account will be closed next year.

Financial results based on collections.—The working of the canals show a net profit of Rs. 41,045 against that of Rs. 46,232 during the previous year.

General remarks.—The year shows a decrease in irrigation as compared with the previous six years. The decrease is due to the river rising late, falling early, and being generally low.

Chher labour has been abolished on all the canals and the clearances were done by paid labour without any trouble.

The rainfall amounted to 2·49 and was in considerable defect, the normal being 6·55 inches.

INDUS INUNDATION CANALS.

Capital Account—Two Rest-houses at Mana and Kotla Mughlan were completed under this head during the year.

Extensions and Improvements.—Three bridges were built over the Shoria, Dhingana and Gamu Canals, also wells at Kharakwalla and Jhok Rest houses; Distributary No. 1, Manka Canal was remodelled; a new supply channel for the Gamu and Sohan Canals was completed; Revenue Quarters at Mana were built. Under Protective and River Works, the Punjtanwala groyne was reconstructed, the retired Sindri and retired Cantonment Flood Embankments above and at Dera Ghazi Khan thrown up, and the Kotla Sikhani and A. C. Embankments behind them started.

Maintenance and Repairs.—A reach of the Dhingana Canal was remodelled by the construction of two falls, and new heads for the Nur and Dhundi Canals were excavated.

Irrigation.—The following table shows the irrigation effected in 1901-1902 as compared with previous years :—

CROPS.	Average of the three years ending 1897-1898.	Average of the three years ending 1900-1901.	1901-1902.
	Acres.	Acres.	Acres.
Kharif	117,811	121,820	(a) 104,984
Rabi	56,599	64,132	(b) 69,236
Total ...	174,410	185,952	174,220

(a). Excludes 28,192 acres of Kharaba.
(b). Do. 9,170 do.

The Kharif crop was one of the lowest recorded for years owing to the River Indus rising late. As a consequence, a large proportion of the supplies could only be utilized in Rabi waterings and this explains the increase in the Rabi area. The floods were unfavourable, the river did not rise till the middle of June and subsided early in September. The Gamu, Sohan, Nur and Dhundi Canals in Rajanpur Sub-Division suffered most.

Financial Results based on Collections.—The net profit amounted to Rs. 1,40,358 against a profit of Rs. 1,66,680 in the previous year. The generally favourable conditions of the canals and of their feeding creeks allowed of Maintenance Charges being considerably reduced.

General Remarks.—The year under report, unlike the preceeding one, was most unfavourable for irrigation. An abnormal flood passed down the Indus on 8th and 9th May doing much damage to the Rabi crops that were not then fully harvested. Thereafter the Indus fell to a very low gauge and it was not until the middle of June that it began to rise and it continued below normal till the first week of July. During this month and August good supplies were registered but no high floods. The canals suffered severely up to the end of June, the Kharif crop did not receive waterings in time, and it was consequently an unusually small crop. The supplies of July were utilized for increasing the Rabi sowings which were larger than usual.

Erosion.—Above Dera Ghazi Khan was as destructive as ever, two of the dykes built for the protection of Cantonment and City were carried away in June and July, the Sindri (Irrigation) Flood Embankment was severed in August and shortly afterwards the Nangni (Buildings and Roads) Embankment was eroded. Retired lines of defence had to be thrown up rapidly, and were completed in time to keep out floods. The net westward movement of the Indus was over half a mile during the year. There was no other important river action.

The year was unfortunately marked by the failure of most of the canals in the Rajanpur Sub-Division, owing to the deterioration of their supply creeks and the low river. The Dhundi was the worst, the flood of May silted its supply channel and thereafter the canal had a very insufficient supply. In consequence the receipts from the Dhundi Estate (our most valuable source of income) fell to the lowest figure known for many years.

Shahpur (Imperial) Canals.

Capital Account.—An expenditure of Rs. 2,968 was incurred during the year on a new Regulating Head for the Western Station Canal, as the old one was swept away in the flood season.

Extensions and Improvements.—The Dhrema road bridge was constructed on the Eastern Station Canal, and a number of wooden bridges and wooden shoots were built on the several canals. The Kot Pahlwan-Khan Distributary was widened.

Maintenance and Repairs.—Rather heavier work than usual was done in constructing bunds to divert the river supply in the cold weather into the feeding creeks.

Irrigation.—The following table shows the irrigation effected during 1901-02 as compared with the average of the two previous triennia :—

Crops.	Average of three years ending 1897-98.	Average of three years ending 1900-01.	1901-02.
	Acres.	Acres.	Acres.
Kharif	17,534	15,933	6,135
Rabi	17,207	20,314	17,655
Total ...	34,741	36,247	23,790

The total area irrigated is much below former averages, due to the very small Kharif area, the shrinkage being caused by early rains coming after an unusually large Rabi crop.

Financial results based on Collections.—The receipts amounted to Rs. 1,06,046 and the profit earned amounted to Rs. 51,371, which is equivalent to 24·28 per cent. on the Capital outlay. The profit and percentage in the previous year were respectively Rs. 61,968 and 28·76.

General remarks.—The canals began to flow on 4th April, and ceased on 16th September when the river fell. On 28th April the canals were closed for 18 days owing to heavy rain and there being no demand. The highest flood in the river occurred on 6th May. The harvesting of the bumper Rabi crop of 1900-01 was much delayed by rain, and prevented the sowing of the Kharif, which was, therefore, very small. Rs. 3,684 were remitted on the Kharif crops, of which Rs. 2,482 was on account of short supply and the rest for miscellaneous causes. For the Rabi crop the total remission was Rs 27,972, of which Rs. 27,676 was for short supply, there being little or no rain during the cold season.

SHAHPUR (PROVINCIAL) CANALS.

Capital Account.—No capital account is kept for these canals.

Extensions and Improvements.—A choukidar's hut was built at the Regulator, Eastern Feeder, Raniwah Canal. The Hazupur Distributary on the Raniwah and the Dhák Ragor Branch on the Carbynwah Canals were widened, and a number of wooden bridges were provided on the general canal system.

Irrigation.—The following table shows the irrigation effected during 1901-02 as compared with the averages of the two previous triennia.—

Crops.	Average of three years ending 1897-98.	Average of three years ending 1900-01.	1901-02.
	Acres.	Acres.	Acres.
Kharif	13,183	16,089	13,224
Rabi	5,131	8,450	7,256
Total ...	18,314	24,539	20,480

The Kharif area is smaller than, but the total area is about equal to, an average of years.

Financial results based on Collections.—The receipts were Rs. 59,839, and the profit amounted to Rs. 11,994 as against Rs. 21,287 of the previous year.

The remissions of water-rate amounted to Rs. 10,059, of which Rs. 9,044 were on account of short supply. The complete failure of the winter rain necessitated heavy remissions in the Rabi crop which amounted to as much as Rs. 8,580.

General remarks.—The canals began to flow early in April, were closed for 18 days in April and May on account of heavy rain; and then ran again

till the middle of September. The monsoon rainfall was 10·52 inches against the fall of 7·37 inches of the previous year, while the cold weather rainfall was only 0·63 against 10·99 inches the previous year.

Jalalpur Canal.

Works remained closed, pending sanction of the Project by the Government of India.

Muzaffargarh Inundation Canals.

Capital Account.--No Capital Account is kept for these canals.

From *Zar-i-nagha* an expenditure of Rs. 25,501 was incurred in building various canal and branch regulators and stopdams, and on surveying and cross sectioning the country served by the Puran and Magasson Canals to enable an improved distributary system being worked out.

Maintenance and Repairs.—There was an expenditure of Rs 15,836 from Imperial and Rs. 34,687 from *Zar-i-nagha* funds, the former being mainly on account of Subordinate Establishment, while the latter was on clearing and maintaining channels, and completing tasks left unfinished by the *chher* labour.

Besides the usual maintenance, the *chher* labour did some useful work in excavating diversions and other improvements to the channels, as well as in raising and strengthening flood embankments.

Irrigation.—The following table shows the irrigation effected during 1901-1902 as compared with the average of the two previous triennia :—

Crops.	Average of three years ending 1897-98.	Average of three years ending 1900-01.	1901-1902.
	Acres.	Acres.	Acres.
Kharif	129,363	123,375	119,918
Rabi	171,330	163,706	171,879
Total ...	300,693	287,081	291,797

The year was unfavourable, the rivers rising late, so that the Kharif sowings were hindered, while the crops when grown suffered from locusts. The supply then slightly improved and there was a large area that got Rabi waterings. But owing to the entire failure of the winter rains it was impossible to fully mature the crops, and remissions had to be freely given. But for this the general results would have been more favourable.

Zar-i-nagha Fund Account.—The collection amounted to Rs 53,313 against Rs. 61,973 in the previous year. The decrease is due to less realization by Civil Department. The receipts from plantation were short by Rs. 3,879 due to less sale of firewood. The unrealized balance at the end of the year amounted to Rs. 12,433 against Rs. 4,423 in the previous year.

The credit balance at the end of the year is Rs. 59,869, the corresponding figure for the previous year being Rs. 69,479.

Financial Results.—The working of the canals resulted in a profit of Rs. 1,73,789 against a profit of Rs. 1,64,093 in the previous year.

General remarks.—Good progress is being made in reducing the excessive number of watercourses by judicious amalgamation; and the distribution arrangements in the Division are being gradually improved. Village maps and field books are being introduced, and more attention is given to the details of irrigation.

GHAGGAR INUNDATION CANALS.

Capital Account.—The actual expenditure from Imperial funds during the year under "Works" alone was Rs. 29,816. The expenditure debitable to "Contribution" Bikanir State amounted to Rs. 9,020 for "Works." The expenditure on account of Bye-Wash Channel debitable to (43) for which neither Capital nor Revenue Accounts are kept during 1901-02, amounted to Rs. 108. The total Capital outlay to end of 1901-02, under Imperial and Contribution, amounted to Rs. 3,39,421 and Rs. 2,79,679, respectively, against Rs. 3,50,686 and Rs. 3,17,247, respectively, sanctioned in the Revised Project Estimate.

The expenditure during the year was incurred on: (1) building masonry outlets; (2) converting five foot bridges into stop dams, and building a new stop dam; (3) making two escapes, one each on the Northern and Southern Canals; (4) Harni Minor on Northern Canal completed; and (5) low level minor from the Northern Canal virtually completed.

Revenue Account.—No water rates having yet been sanctioned for the Ghaggar Canals, no revenue was realized. This account, therefore, shows only outlay incurred on maintenance and repairs which amounted to Rs. 24,681, under Imperial and Rs. 8,740 under Contribution.

Irrigation.—The following table shows the area irrigated in British and Bikanir Territories since July 1897 when the Canals were first opened:—

	1897-98.			1898-99.			1899-1900.			1900-01.			1901-02.		
	British.	Bikanir.	Total.	British.	Bikanir.	Total.	British.	Bikanir.	Total.	British.	Bikanir.	Total.	British.	Bikanir.	Total.
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
Kharif	5,032	1,168	6,200	11,627	8,323	19,950	10,807	10,287	21,094	16,560	9,174	25,734	12,299	4,613	16,912
Rabi	9,378	3,858	13,236	3,362	5,682	9,044	214	..	214	22,549	3,221	25,770	2,541	2,540	5,081
Total ..	14,410	5,026	19,436	14,989	14,005	28,994	11,021	10,287	21,308	39,109	12,395	51,504	14,840	7,153	21,993

General remarks.—The large decrease in the area irrigated in the Kharif was due to the scanty rainfall and absence of floods in the Ghaggar. The decrease in the Rabi area was due to the early cessation of the rains. Most of the Rabi crop failed for want of rain during the cold weather.

The season was a very bad one. The floods stopped early in September. The river-irrigated crops failed almost entirely, partly for want of sufficient water and partly owing to ravages by rats. The only crops saved were those irrigated from the Canals, and the Canals proved of immense benefit this year, as without them, all the rice crop would have been lost.

RANGOI CANAL.

The following works were completed during the year. (1) Head Regulator; (2) four new bridges; (3) additions and alterations to bridges, etc.; (4) masonry outlet heads; (5) closing breaches and repairs to banks damaged; (6) triangular flood embankment to protect the Head Regulator; (7) gauge-reader's hut at the Head Regulator; and (8) maintenance of the Canal.

The expenditure incurred during the year amounted to Rs. 15,855 as detailed below :—

		Rs.
Works, ...	... ...	12,735
Establishment	... ...	2,929
Tools and Plant	... ...	191
	Total ...	15,855

General remarks.—The Rangoi Canal has as yet worked very unsatisfactorily, as it was designed to run with a full supply of only 6 feet for Kharif irrigation, little or no Rabi irrigation was therefore possible, as the higher supplies in the Ghagger River were kept out. Owing to the very poor rains in 1901, the Canal could get but a very intermittent and small supply.

REVENUE.

The Canals in the Punjab show the following results for 1901-1902.

I.—Canals in operation classed as Productive.

Major Works.

			Rs.
Capital expenditure during the year. { Direct charges			14,53,825
{ Indirect charges			50,717
Total ...			15,04,542
The Capital invested to end of 1901-1902 amounted to ...			8,94,41,638
Income from all sources, less refunds			1,46,35,198
Working expenses			43,26,919
Balance excess revenue being 11·52 per cent. on Rs. 8,94,41,638			1,03,08,279
Interest—			
at 4 per cent. on Rs. 8,35,29,176 outlay to end of 31st March 1900		33,41,167	
at 3¾ per cent. on subsequent outlay ...		67,716	
			34,08,883
Net profit after paying interest			68,99,396
Ditto ditto in 1900-1901			65,22,525
Ditto ditto in 1899-1900			55,81,063

The earnings of each of the six Major Works are shown in line 22 of the statement attached :—

II.—Imperial Canals, Minor Works not Classed as Productive.

The Capital outlay at the close of 1901-1902 amounted to Rs. 22,67,912 against Rs. 21,36,027 at end of 1900-1901.

		Rs.
The income from all sources, less refunds, amounted to	...	22,27,402
Working expenses	...	13,79,095
Balance, profit	...	8,48,307
Ditto in 1900-1901	...	4,86,338

The financial results of each Imperial Minor Work are shown in the body of this report.

STATEMENT.

PARTICULARS.		Serial number.	*Canals classed as…* Western Jumna Canal (including Sirsa Branch).	Bari Doab Canal.	Sirhind Canal (Imperial).
1		2	3	4	5
			Rs.	Rs.	Rs.
I.—Capital outlay to end of	1900-1901 ...	1	1,71,35,032	1,84,48,173	2,44,70,507
	1901-1902 ...	2	1,72,22,297	1,91,33,092	2,44,84,824
II.—Income realized during the year— Direct, *viz.*, water rent and miscellaneous Receipts ...	1900-1901 ...	3	25,15,035	30,15,716	30,51,461
	1901-1902 ...	4	21,75,275	28,50,761	23,13,071
Indirect, *viz.*, Land Revenue due to Irrigation Works, including water advantage rate.	1900-1901 ...	5	...	2,33,160	...
	1901-1902 ...	6	..	2,36,603	...
Total Direct and Indirect	1900-1901 ...	7	25,15,035	32,48,876	30,51,461
	1901-1902 ...	8	21,75,275	30,87,364	23,13,071
III.—Charges for the year— Maintenance including Establishment	1900-1901 ...	9	9,54,516	8,75,819	8,20,912
	1901-1902 ...	10	9,11,503	8,87,162	8,43,394
Interest on Capital outlay	1900-1901 ...	11	6,52,392	7,07,928	9,28,740
	1901-1902 ...	12	6,55,001	7,23,724	9,31,157
Total ...	1900-1901 ...	13	16,06,908	15,83,747	17,49,652
	1901-1902 ...	14	15,66,504	16,10,886	17,74,551
IV.—Profit and Loss— (*a*). Including Interest on Capital outlay ...	1900-1901 ...	15	9,08,127	16,65,129	13,01,809
	1901-1902 ...	16	6,08,771	14,76,478	5,38,520
(*b*). Excluding Interest on Capital outlay. On Direct Income ... Amount ...	1900-1901 ...	17	15,60,519	21,39,897	22,30,549
	1901-1902 ...	18	12,63,772	19,63,599	14,69,677
Percentage on Capital outlay ...	1900-1901 ...	19	9·10	11·60	9·11
	1901-1902 ...	20	7·34	10·26	6·00
On Total Income Direct and Indirect. Amount ...	1900-1901 ...	21	15,60,519	23,73,057	22,30,549
	1901-1902 ...	22	12,63,772	22,00,202	14,69,677
Percentage on Capital outlay ...	1900-1901 ...	23	9·10	12·86	9·11
	1901-1902 ...	24	7·34	11·5	6·00

Productive—Major Works.				Major Works under Construction.	Imperial Canals, Minor Works not classed as Productive.				
Chenab Canal.	Lower Sohag and Para Canal.	Sidhnai Canal.	Total Productive.	Jhelum Canal.	Works for which Capital and Revenue Accounts are kept.	Works for which only Revenue Accounts are kept.	Grand Total (Imperial).	Shahpur (Provincial) Canals.	Serial number.
6	7	8	9	10	11	12	13	14	15
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
2,58,85,143	7,34,050	12,64,191	8,79,37,096	69,96,247	20,62,457	...	9,69,95,800	...	1
2,65,55,413	7,66,355	12,79,657	8,94,41,638	94,63,053	21,23,588	...	10,10,28,279	...	2
42,75,790	82,452	2,12,573	1,31,53,027	...	4,33,415	4,65,876	1,40,52,318	49,517	3
53,43,942	93,559	3,84,223	1,31,60,831	...	5,76,291	5,71,807	1,43,08,929	51,096	4
6,32,690	59,995	10,255	9,36,100	...	3,71,249	5,92,447	18,99,796	8,251	5
10,46,645	79,803	1,11,316	14,74,367	...	4,76,748	6,02,556	25,53,671	8,743	6
49,08,480	1,42,447	2,22,828	1,40,89,127	...	8,04,664	10,58,323	1,59,52,114	57,768	7
63,90,587	1,73,362	4,95,539	1,46,35,198	...	10,53,039	11,74,363	1,68,62,600	59,839	8
12,81,292	1,23,364	1,49,304	42,05,207	...	5,81,360	7,95,289	55,81,856	36,481	9
13,77,834	1,25,016	1,82,010	43,26,919	21,876	5,20,250	8,58,845	57,27,890	47,845	10
9,95,767	28,055	48,513	33,61,395	2,01,009	...	...	35,62,404	...	11
10,20,953	28,824	49,224	34,08,883	3,10,658	...	...	37,19,541	...	12
22,77,059	1,51,419	1,97,817	75,66,602	2,01,009	5,81,360	7,95,289	91,44,260	36,481	13
23,98,787	1,53,840	2,31,234	77,35,802	3,32,534	5,20,250	8,58,845	94,47,431	47,845	14
26,31,421	—8,972	25,011	65,22,525	—2,01,009	2,23,304	2,63,034	68,07,854	21,287	15
39,91,800	19,522	2,64,305	68,99,396	—3,32,534	5,32,789	3,15,518	74,15,169	11,994	16
29,94,498	—40,912	63,269	89,47,820	...	—1,47,945	—3,29,413	84,70,462	13,036	17
39,66,108	—31,457	2,02,213	88,33,912	—21,876	56,041	—2,87,038	85,81,039	3,251	18
11·57	—5·57	5·00	10·17	...	—7·17	...	8·73	...	19
14·93	—4·10	15·80	9·87	...	2·64	...	8·49	...	20
36,27,188	19,083	73,524	98,83,920	...	2,23,304	2,63,034	1,03,70,258	21,287	21
50,12,753	48,346	3,13,529	1,03,08,279	—21,876	5,32,789	3,15,518	1,11,34,710	11,994	22
14·01	2·60	5·81	11·23	...	10·82	...	10·69	...	23
18·88	6·31	24·50	11·52	...	25·09	...	11·02	...	24

G. M. R. FIELD,

Offg. Secretary to Government, Punjab

Public Works Department, Punjab.

IRRIGATION BRANCH.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Lahore: "Commercial Printing Works."

ADMINISTRATIVE ACCOUNTS

No. 1.—General Abstract of Financial Results showing the Estimated Cost of Construction of Major Works, the ... *incurred in respect of those Works,*

MAJOR

Name of Project.	Estimated cost of construction.			Capital outlay inclusive of Indirect Charges, Nos. 2 & 5.						Receipts		
				During 1901-1902.			*To end of* 1901-1902.			*Water rates, &c.*		
	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Actual transactions of the year.	Adjustment on account of previous year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
CANALS IN OPERATION.												
Productive Works.												
Western Jumna Canal ...	1,64,21,666	7,65,470	1,71,87,136	81,860	5,405	87,265	1,64,22,091	8,00,206	1,72,22,297	21,84,804	...	21,84,804
Bari Doab Canal ...	1,85,53,198	6,81,293	1,92,34,491	6,64,811	20,108	6,84,919	1,84,57,372	6,75,720	1,91,33,092	28,52,395	...	28,52,395
Sirhind Canal	2,32,89,282	11,90,464	2,44,79,746	12,517	1,800	14,317	2,32,92,835	11,91,989	2,44,84,824	23,15,816	...	23,15,816
Chenab Canal	2,60,96,043	6,22,539	2,67,18,582	6,47,792	22,478	6,70,270	2,59,11,448	6,43,965	2,65,55,413	53,47,867	...	53,47,867
Lower Sohag and Para Canals	7,65,933	27,476	7,93,409	31,659	646	32,305	7,38,008	28,347	7,66,355	93,601	...	93,601
Sidhnai Canal	12,48,438	39,378	12,87,816	15,186	280	15,466	12,40,100	39,557	12,79,657	3,84,238	...	3,84,238
Total Imperial (P. P. Works) ...	8,63,74,560	33,26,620	8,97,01,180	14,53,825	50,717	15,04,542	8,60,61,854	33,79,784	8,94,41,638	1,31,78,721	...	1,31,78,721
Contributions.												
Western Jumna Canal ...	11,43,532	...	11,43,532	586	...	586	11,38,739	...	11,38,739	982	...	982
Sirhind Canal	1,40,79,604	...	1,40,79,604	−4,703	...	−4,703	1,40,77,457	...	1,40,77,457	43,433	...	43,433
Total Contributions (P. P. Works) ...	1,52,23,136	...	1,52,23,136	−4,117	...	−4,117	1,52,16,196	...	1,52,16,196	44,415	...	44,415
Total Canals in Operation — Imperal ...	8,63,74,560	33,26,620	8,97,01,180	14,53,825	50,717	15,04,542	8,60,61,854	33,79,784	8,94,41,638	1,31,78,721	...	1,31,78,721
Total Canals in Operation — Contribution	1,52,23,136	...	1,52,23,136	−4,117	...	−4,117	1,52,16,196	...	1,52,16,196	44,415	...	44,415
CANALS UNDER CONSTRUCTION.												
Imperial.												
Jhelum Canal	1,21,69,085	3,57,591	1,25,26,676	24,18,894	47,912	24,66,806	92,65,783	1,97,270	94,63,053	...	...	...
Grand Total Canals in Operation and under Construction. — Imperial	9,85,43,645	36,84,211	10,22,27,856	38,72,719	98,629	39,71,348	9,53,27,637	35,77,054	9,89,04,691	1,31,78,721	...	1,31,78,721
Grand Total Canals in Operation and under Construction. — Contribution	1,52,23,136	...	1,52,23,136	−4,117	...	−4,117	1,52,16,196	...	1,52,16,196	44,415	...	44,415

DEPARTMENT. PUNJAB PROVINC

FOR THE YEAR 1901-1902.

Capital Outlay thereon, the Revenue derived therefrom, the Working Expenses, and the Interest on the debt for and to end of 1901-1902.

WORKS.

DURING 1901-1902.						WORKING EXPENSES AND MAINTENANCE DURING 1901-1902 INCLUSIVE OF INDIRECT CHARGES, Nos. 3 & 5.			NET RESULT EXCLUDING INTEREST, DIFFERENCE BETWEEN REVENUE AND WORKING EXPENSES.				Simple Interest during 1901-1902.	NET RESULTS INCLUDI[NG] INTEREST.		
Collected with Land Revenue.			Total.								Rate per cent.					Rate [per] ce[nt.]
Actual transactions of the year.	Adjustment on account of previous year.	Total.	Actual transactions of the year.	Adjustment on account of previous year.	Total.	Direct Charges.	Indirect Charges.	Total.	Excess Revenue (surplus).	Excess Expenditure (deficit).	Of excess Revenue.	Of excess Expenditure.		Excess Revenue (surplus).	Excess Expenditure (deficit).	Of excess Revenue.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
...	...	...	21,84,804	...	21,84,804	8,65,175	55,857	9,21,032	12,63,772	...	7·34	...	6,55,001	6,08,771	...	3·53
2,36,603	...	2,36,603	30,88,998	...	30,88,998	8,40,911	47,885	8,88,796	22,00,202	...	11·5	...	7,23,724	14,76,478	...	7·72
...	...	...	23,15,816	...	23,15,816	7,93,513	52,626	8,46,139	14,69,677	...	6·00	...	9,31,157	5,38,520	...	2·20
10,46,645	...	10,46,645	63,94,512	...	63,94,512	12,86,828	94,931	13,81,759	50,12,753	...	18·88	...	10,20,953	39,91,800	...	15·03
79,803	...	79,803	1,73,404	...	1,73,404	1,19,750	5,308	1,25,058	48,346	...	6·31	...	28,824	19,522	...	2·55
1,11,316	...	1,11,316	4,95,554	...	4,95,554	1,74,372	7,653	1,82,025	3,13,529	...	24·50	...	49,224	2,64,305	...	20·65
14,74,367	...	14,74,367	1,46,53,088	...	1,46,53,088	40,80,549	2,64,260	43,44,809	1,03,08,279	...	11·52	...	34,08,883	68,99,396	...	7·71
...	...	...	982	...	982	61,969	...	61,969	...	60,987	...	5·36	...	...	60,987	...
...	...	...	43,433	...	43,433	2,97,799	...	2,97,799	...	2,54,366	...	1·81	...	...	2,54,366	...
...	...	...	44,415	...	44,415	3,59,768	...	3,59,768	...	3,15,353	...	2·07	...	...	3,15,353	...
14,74,367	...	14,74,367	1,46,53,088	...	1,46,53,088	40,80,549	2,64,260	43,44,809	1,03,08,279	...	11·52	...	34,08,883	68,99,396	...	7·71
...	...	...	44,415	...	44,415	3,59,768	...	3,59,768	...	3,15,353	...	2·07	...	...	3,15,353	...
...	...	...	...	...	...	20,046	1,830	21,876	...	21,876	...	0·23	3,10,658	...	3,32,534	...
14,74,367	...	14,74,367	1,46,53,088	...	1,46,53,088	41,00,595	2,66,090	43,66,685	1,03,08,279	21,876	10·40	...	37,19,541	68,99,396	3,32,534	6·64
									1,02,86,403					65,66,862		
...	...	...	44,415	...	44,415	3,59,768	...	3,59,768	...	3,15,353	...	2·07	...	...	3,15,353	...

ADMINISTRATIVE ACCOUNTS

No. 1.—*General Abstract of Financial Results, showing the Estimated Cost of Construction of Irrigation and Navigation debt incurred in respect of those Works for*

NAME OF PROJECT.	ESTIMATED COST OF CONSTRUCTION.			CAPITAL OUTLAY INCLUSIVE OF INDIRECT CHARGES, NOS. 2 & 5.						RECEIPTS		
				During 1901-1902.			*To end of* 1901-1902.			*Water rates, &c.*		
	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Actual transactions of the year.	Adjustment on account of previous year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
CANALS IN OPERATION.												
ORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.												
Imperial.												
pper Sutlej Inundation Canals	7,83,602	67,615	8,51,217	7,047	1,582	8,629	7,78,894	67,797	8,46,691	3,89,490	...	3,89,490
ıdus Inundation Canals	7,07,556	19,729	7,27,285	17,803	460	18,263	7,05,709	20,189	7,25,898	97,759	...	97,759
ıahpur Canals	2,01,706	9,872	2,11,578	−3,829	...	−3,829	2,01,706	9,872	2,11,578	89,420	...	89,420
haggar Canal	3,50,686	17,988	3,68,674	36,756	1,312	38,068	3,29,553	9,868	3,39,421	...	...	...
Total ...	20,43,550	1,15,204	21,58,754	57,777	3,354	61,131	20,15,862	1,07,726	21,23,588	5,76,669	...	5,76,669
ONTRIBUTION BY BIKANER STATE.												
haggar Canal	3,17,247	...	3,17,247	11,507	...	11,507	2,79,679	...	2,79,679	...	...	...
ANALS UNDER CONSTRUCTION.												
Imperial.												
ower Bari Doab Survey	1,79,807	...	1,79,807	66,805	3,949	70,754	1,36,613	7,711	1,44,324	...	...	...
ORKS FOR WHICH ONLY EVENUE ACCOUNTS ARE KEPT.												
Imperial.												
ower Sutlej Inundation Canals	...	...	...	...	...	...	...	...	...	1,97,302	...	1,97,302
henab Inundation Canals	...	...	...	...	...	...	...	...	...	1,67,822	...	1,67,822
uzaffargarh Inundation Canals	...	...	...	...	...	...	...	...	...	2,07,994	...	2,07,994
Total ...	...	...	...	...	...	...	...	...	...	5,73,118	...	5,73,118
Provincial.												
ORKS FOR WHICH ONLY EVENUE ACCOUNTS ARE KEPT.												
hahpur Canals	...	...	...	...	...	...	...	...	...	51,096	...	51,096

DEPARTMENT. PUNJAB PROVINCE.

FOR THE YEAR 1901-1902.

Works, the Capital Outlay thereon, the Revenue derived therefrom, the Working Expenses, and the Interest on the *and to end of* 1901-1902.

DURING 1901-1902. Collected with Land Revenue.			Total.			Working Expenses and Maintenance during 1901-1902, inclusive of Indirect Charges, Nos. 3 and 5.			Net Result, excluding Interest, difference between Revenue and Working Expenses.				Simple Interest during 1901-1902.	Net Results, includin[g] Interest.			
											Rate per cent.					Rate per cen[t].	
Actual transactions of the year.	Adjustment on account of previous year.	Total.	Actual transactions of the year.	Adjustment on account of previous year.	Total.	Direct Charges.	Indirect Charges.	Total.	Excess Revenue (surplus).	Excess Expenditure (deficit).	Of excess Revenue.	Of excess Expenditure.		Excess Revenue (surplus).	Excess Expenditure (deficit).	Of excess Revenue.	Of excess Expenditure.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs[.]
1,99,923	...	1 99,923	5,89,413	...	5,89,413	2,14,266	9,406	2,23,672	3,65,741	...	43·20	...	...	...	...	...	...
2,60,199	...	2,60,199	3,57,958	...	3,57,958	2,07,217	10,383	2,17,600	1,40,358	...	19·34	...	...	...	...	...	...
16,626	...	16,626	1,06,046	...	1,06,046	51,104	3,571	54,675	51,371	...	24·28	...	...	...	...	...	...
...	...	...	...	...	...	22,430	2,251	24,681	...	24,681	...	7·27	...	...	...	...	...
4,76,748	...	4,76,748	10,53,417	...	10,53,417	4,95,017	25,611	5,20,628	5,57,470	24,681	25·09	...	...	...	...	...	...
									5,32,789								
...	...	...	...	...	...	8,740	...	8,740	...	8,740	...	3·13	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1,74,260	...	1,74,260	3,71,562	...	3,71,562	2,63,835	7,043	2,70,878	1,00,684	...	...	...	...	...	...	...	
1,60,766	...	1,60,766	3,28,588	...	3,28,588	2,80,759	6,784	2,87,543	41,045	...	...	...	...	...	...	...	
2,67,530	...	2,67,530	4,75,524	...	4,75,524	2,91,847	9,888	3,01,735	1,73,789	...	...	...	...	...	...	...	
6,02,556	...	6,02,556	11,75,674	...	11,75,674	8,36,441	23,715	8,60,156	3,15,518	...	...	...	...	...	...	...	
8,743	...	8,743	59,839	...	59,839	44,961	2,884	47,845	11,994	...	...	...	...	...	...	...	

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Western Jumna Canal including Sirsa Branch Project.

No. 2.—CAPITAL ACCOUNT FOR AND TO END OF 1901-1902.

Heads of Account.	Direct Charges. Imperial. Previous.	Imperial. 1901-1902.	Imperial. Total.	Contribution. Previous.	Contribution. 1901-1902.	Contribution. Total.	Total. Previous.	Total. 1901-1902.	Total. Total.	Cost of Construction as now estimated. (Construction Estimate closed on 31st March 1895).	Expenditure against Closed Estimates.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.											
(1).—Head Works—											
B.—Land	4,710	...	4,710	...	...	...	4,710	...	4,710	...	...
C.—Works	4,19,440	...	4,19,440	5,328	...	5,328	4,24,768	...	4,24,768	...	...
K.—Buildings	20,299	...	20.299	...	...	...	20,299	...	20,299	...	...
O.—Miscellaneous	13,539	...	13,539	...	...	...	13,539	...	13,539	...	...
P.—Maintenance	24,839	...	24,839	...	...	...	24,839	...	24,839	...	...
Total ...	4,82,827	...	4,82.827	5,328	...	5,328	4,88,155	...	4,88,155	...	...
(2).—Main Canal & Branches—											
A.—Preliminary Expenses ...	50,798	10	50,808	4,580	...	4,580	55,378	10	55,388	...	...
B.—Land	2,66.797	28	2,66.825	22,259	...	22,259	2,89,056	28	2,89,084	...	...
D.—Regulators	2,02.608	...	2,02,608	14,220	...	14,220	2,16,828	...	2,16,828	...	...
E.—Falls and Weirs	3,53,673	...	3,53,673	42,008	...	42,008	3,95,681	...	3,95,681	...	...
F.—River and Hill-Torrent Works ...	2,749	...	2,749	1,051	...	1,051	3,800	...	3,800	...	...
F (1).—Other Cross Drainage Works	2,23,617	...	2,23,617	41,137	...	41.137	2,64,754	...	2,64,754	...	...
G.—Bridges	8,12.294	11,839	8,24,133	51,270	...	51,270	8.63,564	11,839	8,75,403	...	...
H.—Escapes	3.40.443	...	3,40.443	43,419	...	43,419	3,83,862	...	3,83,862	...	...
I.—Navigation Works ...	13,87,996	...	13,87,996	29.864	...	29.864	14,17,860	...	14,17,860	...	...
J.—Mills	55,115	...	55,115	3,835	...	3,835	58,950	...	58,950	...	...
K.—Buildings	4,19,736	43,437	4,63,173	39,301	...	39,301	4,59,037	43.437	5,02,474	...	...
L.—Earth-work	18,95,614	1,147	18,96.761	1,96,664	...	1,96,664	20,92,278	1,147	20,93,425	...	...
M.—Plantations	19,032	...	19,032	4,650	...	4,650	23,682	...	23,682	...	...
O.—Miscellaneous ...	46,458	...	46,458	3,768	...	3,768	50,226	...	50,226	...	...
P.—Maintenance	1,58,861	...	1,58,861	18,444	...	18,444	1,77,305	...	1,77,305	...	...
Total ...	62,35,791	56.461	62,92,252	5,16,470	...	5,16,470	67,52,261	56,461	68,08,722	...	...
(3).—Distributaries—											
A.—Preliminary Expenses ...	65,053	...	65.058	12.973	...	12,973	78,026	...	78,026	...	...
B.—Land	3,00,465	4,593	3,05,058	6,955	...	6,955	3,07,420	4.593	3,12,013	...	...
C.—Works	11,81,817	—492	11,81,325	1,30,928	...	1,30,928	13,12,745	—492	13,12,253	...	...
L.—Earth-work	13,96,207	528	13,96,735	1,65,612	...	1,65,612	15,61,819	528	15,62,347	...	...
O.—Miscellaneous ...	3,87,221	...	3,87,221	29,350	...	29,350	4,16,571	...	4,16,571	...	...
P.—Maintenance	54,924	...	54,924	12,585	...	12,585	67,509	...	67,509	...	...
Total ...	33,85,687	4,629	33,90,316	3,58,403	...	3,58,403	37,44,090	4,629	37,48,719	...	...
(4).—Drainage and Protective Works—											
A.—Preliminary Expenses ...	20,301	...	20,301	1	...	1	20,302	...	20,302	...	...
B.—Land	59,198	89	59,287	...	...	...	59.198	89	59,287	...	...
C.—Works	2,00,612	7,994	2,08,606	...	...	...	2,00.612	7,994	2,08.606	...	...
L.—Earth-work	4,26,284	1,180	4,27,464	2,654	459	3,113	4,28,938	1,639	4,30,577	...	...
O.—Miscellaneous	17,300	5,347	22,647	...	...	...	17,300	5,347	22,647	...	...
Total ...	7,23,695	14,610	7,38,305	2,655	459	3,114	7,26.350	15,069	7,41,419	...	...
Total I.—Works ...	1,08,28,000	75,700	1,09,03,700	8,82,856	459	8,83,315	1,17,10,856	76,159	1,17,87,015	1,38,28,783	1,25,54,162
Add—Expenditure on General Works at end of 1864-65	19,24,123	...	19,24,123	...	...	...	19,24,123	...	19,24,123	...	...
Total ...	1,27,52,123	75,700	1,28,27,823	8,82,856	459	8,83,315	1,36,34,979	76,159	1,37,11,138	...	...
II.—ESTABLISHMENT.											
(5).—Direction	5,91,460	3,540	5,95,000	42,750	23	42,773	6,34,210	3,563	6,37,773	...	...
(6).—Executive ... } (7).—Medical ... ... }	23,35,659	12,743	23,48,402	1,54,919	82	1,55,001	24,90,578	12,825	25,03,403	...	...
(8).—Special Survey ...	1,31,782	...	1,31,782	6,066	...	6,066	1,37,848	...	1,37,848	...	...
(8½).—Special Field Survey	88	...	88	...	...	...	88	...	88	...	...
Leave & Pension Allowances	...	...	...	28,523	15	28,538	28,523	15	28,538	...	...
Total ...	30,58,989	16,283	30,75,272	2,32,258	120	2,32,378	32,91,247	16,403	33,07,650	35,10,012	32,45,122
Add—Expenditure on General Works at end of 1864-65	1,85,590	...	1,85,590	...	...	...	1,85,590	...	1,85,590	...	...
Total ...	32,44,579	16,283	32,60,862	2,32,258	120	2,32,378	34,76,837	16,403	34,93,240	...	...
III.—TOOLS AND PLANT.											
(9).—Navigation Plant ...	1,933	...	1,933	298	...	298	2,231	...	2,231	...	...
(12).—Miscellaneous ...	1,86,505	1,062	1,87,567	18,172	7	18,179	2,04,677	1,069	2,05,746	...	...
(13).—Repairs and Carriage	23,973	...	23,973	5,041	...	5,041	29,014	...	29,014	...	...
Total ...	2,12,411	1,062	2,13,473	23,511	7	23,518	2,35,922	1,069	2,36,991	2,38,356	2,21,083
IV.—SUSPENSE ACCOUNTS.											
(14).—Stock	1,41,460	-12,646	1,28,814	...	...	...	1,41,460	-12,646	1,28,814	...	...
(15).—Stock Purchases ...	...	—233	—233	...	...	...	...	—233	—233	...	...
(16).—Miscellaneous Advances	833	2,000	2,833	...	...	...	833	2,000	2,833	...	...
(18).—London Stores ...	306	—306	...	...	...	...	306	—306	...	...	...
Total ...	1,42,599	-11,185	1,31,414	...	...	...	1,42,599	-11,185	1,31,414	...	...
Grand Total ...	1,63,51,712	81,860	1,64,33,572	11,38,625	586	11,39,211	1,74,90,337	82,446	1,75,72,783	1,75,77,151	1,60,20,367
V.—Less Receipts on Capital Account ...	11,481	...	11,481	472	...	472	11,953	...	11,953	11,953	11,953
Net Total ...	1,63,40,231	81,860	1,64,22,091	11,38,153	586	11,38,739	1,74,78,384	82,446	1,75,60,830	1,75,65,198	1,60,08,414

ADMINISTRATIVE ACCOUNTS

Western Jumna including

No. 3.—REVENUE ACCOUNT

RECEIPTS.	IMPERIAL.			CONTRIBUTION.			TOTAL.		
	Previous.	1901-1902.	Total.	Previous.	1901-02.	Total.	Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Occupiers' Rates ...	...	14,56,536	...	...	...	...	...	14,56,536	...
Owners' Rates on irrigated land ...	...	6,30,136	...	...	...	...	...	6,30,136	...
Sales of Water ...	...	8,827	...	...	582	...	...	9,409	...
Water-supply of Towns ...	...	53	...	...	...	...	...	53	...
Receipts from Plantations ...	...	9,170	...	...	12	...	...	9,182	...
Receipts from other Canal Produce	...	2,746	...	...	132	...	...	2,878	...
Water-power ...	...	6,430	...	...	133	...	...	6,563	...
Navigation Receipts ...	...	65,530	...	...	...	...	...	65,530	...
Rent of Buildings ...	...	2,570	...	...	93	...	...	2,663	...
Fines ...	...	1,777	...	...	28	...	...	1,805	...
Miscellaneous and other Receipts...	...	1,029	...	...	2	...	...	1,031	...
Total ...	5,75,12,103	21,84,804	(b) 5,96,96,907	6,479	982	7,461	5,75,18,582	21,85,786	5,97,04,368
Share of Land Revenue collected in the Civil Department ...	1,74,17,621	...	1,74,17,621	...	...	...	1,74,17,621	...	1,74,17,621
TOTAL RECEIPTS ...	7,49,29,724	21,84,804	7,71,14,528	6,479	982	7,461	7,49,36,203	21,85,786	7,71,21,989

(a).—Includes Rs. 30,499 on account of fees for collection

(b).—Rupees 4,40,174 more would have beer earned, had

FOR THE YEAR 1901-1902.

Sirsa Branch Canal Project.

FOR AND TO END OF 1901-1902.

Charges.	Imperial. Previous.	Imperial. 1901-1902.	Imperial. Total.	Contribution. Previous.	Contribution. 1901-1902.	Contribution. Total.	Total. Previous.	Total. 1901-1902.	Total. Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(IA).—EXTENSIONS AND IMPROVEMENTS.									
(1).—HEAD WORKS—									
B.—Land	47,863	...	47,913	662	...	667	48,525	...	48,580
C.—Works		...			...			...	
K.—Buildings		50			5			55	
O.—Miscellaneous		...			...			...	
(2).—MAIN CANAL & BRANCHES—									
B.—Land	51,3,041	8,130	5,41,311	8,570	719	10,037	5,21,611	8,849	5,51,348
D.—Regulators		65			...			65	
E.—Falls and Weirs		692			61			753	
F.—River and Hill-Torrent Works		...			...			...	
F. (1).—Other Cross Drainage Works		...			...			...	
G.—Bridges		1,378			98			1,476	
H.—Escapes		40			3			43	
I.—Navigation Works ...		16			...			16	
J.—Mills		...			...			...	
K.—Buildings		6,899			354			7,253	
L.—Earth-work		7,957			6			7,963	
M.—Plantations		97			34			131	
N.—Tanks and Reservoirs ...		...			...			...	
O.—Miscellaneous		2,996			192			3,188	
(3).—DISTRIBUTARIES—									
B.—Land	2,21,176	426	2,74,097	183	...	183	2,21,359	426	2,74,280
C.—Works		12,018						12,018	
L.—Earth-work		3,016						3,016	
O.—Miscellaneous		37,461						37,461	
(4).—DRAINAGE AND PROTECTIVE WORKS—									
B.—Land	41,221	...	41,260	490	...	504	41,711	...	41,764
C.—Works		...			...			...	
L.—Earth-work		...			...			...	
O.—Miscellaneous ...		39			14			53	
TOTAL ...	8,23,301	81,280	9,04,581	9,905	1,486	11,391	8,33,206	82,766	9,15,972
(IB).—MAINTENANCE AND REPAIRS.									
(1).—HEAD WORKS—									
C.—Works	12,19,897	57,981	12,80,105	25,785	5,110	31,092	12,45,682	63,091	13,11,197
K.—Buildings		416			37			453	
O.—Miscellaneous		1,811			160			1,971	
(2).—MAIN CANAL & BRANCHES—									
C.—Works	38,42,024	30,946	39,97,926	1,35,094	2,606	1,50,847	39,77,118	33,552	41,48,773
I.—Navigation Works ...		6,841			...			6,841	
J.—Mills		295			14			309	
K.—Buildings		17,684			1,403			19,087	
L.—Earth-work		63,636			8,481			72,117	
M.—Plantations		23,378			1,851			25,229	
N.—Tanks and Reservoirs ...		74			26			100	
O.—Miscellaneous		13,048			1,372			14,420	
(3).—DISTRIBUTARIES—									
C.—Works	18,12,077	4,338	19,58,075	91,750	...	1,02,386	19,03,827	4,338	20,60,461
L.—Earth-work		1,35,928			10,636			1,46,564	
O.—Miscellaneous		5,732			...			5,732	
(4).—DRAINAGE WORKS—									
C.—Works	2,33,248	325	2,42,308	687	5	741	2,33,935	330	2,43,049
L.—Earth-work		8,668			49			8,717	
O.—Miscellaneous		67			...			67	
TOTAL ...	71,07,246	3,71,168	74,78,414	2,53,316	31,750	2,85,066	73,60,562	4,02,918	77,63,480
(IC).—COMPENSATION ...	64,248	3,235	67,483	1,491	1	1,492	65,739	3,236	68,975
II.—ESTABLISHMENT.									
(5).—DIRECTION AND ACCOUNTS...	14,44,032	32,608	14,76,640	26,715	2,874	29,589	14,70,747	35,482	15,06,229
(6).—EXECUTIVE	46,40,945	2,09,681	48,50,626	1,24,037	14,811	1,38,848	47,64,982	2,24,492	49,89,474
(7).—MEDICAL									
(7A).—REVENUE ESTABLISHMENT	33,90,960	(a) 1,45,798	35,36,758	71,614	7,217	78,831	34,62,574	1,53,015	36,15,589
(7B).—NAVIGATION ESTABLISHMENT	8,273	715	8,988	...	...	...	8,273	715	8,988
(7C).—PLANTATIONS	790	...	790	...	...	...	790	...	790
LEAVE AND PENSION ALLOWANCES	...	...	...	31,130	3,486	34,616	31,130	3,486	34,616
(7D).—MILLS AND MACHINERY ...	1,123	...	1,123	...	...	...	1,123	...	1,123
TOTAL ...	94,86,123	3,88,802	98,74,925	2,53,496	28,388	2,81,884	97,39,619	4,17,190	1,01,56,809
III.—TOOLS AND PLANT.									
(9).—NAVIGATION PLANT ...	1,910	...	1,910	...	...	...	1,910	...	1,910
(12).—MISCELLANEOUS	1,50,645	4,629	1,55,274	7,429	344	7,773	1,58,074	4,973	1,63,047
(13).—REPAIRS AND CARRIAGE ...	86,916	6,532	93,448	...	...	...	86,916	6,532	93,448
TOTAL ...	2,39,471	11,161	2,50,632	7,429	344	7,773	2,46,900	11,505	2,58,405
IV.—REFUNDS OF REVENUE	1,59,245	9,529	1,68,774	...	...	...	1,59,245	9,529	1,68,774
V.—PROFIT AND LOSS ...	1,295	...	1,295	...	...	...	1,295	...	1,295
General Works to end of 1864-65...	48,92,523	...	48,92,523	...	...	...	48,92,523	...	48,92,523
TOTAL ...	2,27,73,452	8,65,175	2,36,38,627	5,25,637	61,969	5,87,606	2,32,99,089	9,27,144	2,42,26,233
Indirect Charges debitable to Revenue Account, as per Account No. 5	17,18,975	55,857	17,74,832	...	...	...	17,18,975	55,857	17,74,832
TOTAL CHARGES ...	2,44,92,427	9,21,032	2,54,13,459	5,25,637	61,969	5,87,606	2,50,18,064	9,83,001	2,60,01,065
Balance, Net Revenue	5,04,37,297	12,63,772	5,17,01,069	−5,19,158	−60,987	−5,80,145	4,99,18,139	12,02,785	5,11,20,924
GRAND TOTAL ...	7,49,29,724	21,84,804	7,71,14,528	6,479	982	7,461	7,49,36,203	21,85,786	7,71,21,989

of Revenue.

not owners' rates on certain lands irrigated been remitted in favour of Revenue assignees.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Western Jumna including Sirsa Branch Canal Project.

No. 4.—INTEREST ACCOUNT FOR AND TO END OF 1901-1902.

	Amount.		Amount.
	Rs.		Rs.
Total Interest Charges to end of 1900-1901 ...	1,39,16,918	Net Revenue realized to end of 1900-1901 ...	5,04,37,297
Ditto for the year 1901-1902...		Ditto during 1901-1902 ...	12,63,772
On Rs. 1,62,82.949 Outlay to end of 31st March 1900 at 4 per cent. ... 6,51,318			
On Subsequent Outlay at 3·75 per cent. 3,683	6,55,001		
	1,45,71,919		
Balance Revenue after defraying Interest Charges	3,71,29,150		
Total ...	5,17,01,069	Total ...	5,17,01,069

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

PARTICULARS.	Previous.	1901-1902.	Total.
CAPITAL—	Rs.	Rs.	Rs.
Capitalization of abatement of Land Revenue	2,12,861	3,125	2,15,986
Leave and Pension Allowances ... ... { Imperial	5,81,940	2,280	5,84,220
Leave and Pension Allowances ... ... { Contribution	28,523	15	28,538
Total ...	8,23,324	5,420	8,28,744
Deduct—Leave and Pension Allowances debited to Native States treated as Direct Charge and transferred to Account No. 2 of the Canal ...	28,523	15	28,538
Net debitable to Imperial	7,94,801	5,405	8,00,206
REVENUE—			
Capitalization of abatement of Land Revenue	5,377	1,425	6,802
Leave and Pension Allowances ... ... { Imperial	17,13,598	54,432	17,68,030
Leave and Pension Allowances ... ... { Contribution	31,130	3,486	34,616
Total ...	17,50,105	59,343	18,09,448
Deduct—Leave and Pension Allowances debited to Native States treated as Direct Charge and transferred to Account No. 3 of the Canal ...	31,130	3,486	34,616
Net debitable to Imperial	17,18,975	55,857	17,74,832
GRAND TOTAL ...	25,13,776	61,262	25,75,038

No. 6.—STATEMENT COMPARING CHARGES TO DATE WITH SANCTIONED ESTIMATE.

PARTICULARS.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total Charges to date against Old and Current Sanctions.	REMARKS.
	Expenditure against Construction Estimate.	Expenditure against Open Canal Sanctions.	Total.	Charges to date.	Amount of Sanctioned Estimate.	Unspent Balance of Estimate.		
DIRECT CHARGES—	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	1,11,24,618	14,29.544	1,25,54,162	11.56,976	12,74.621	1,17,645	1,37,11,138	
Establishment	29,44,721	3,00,401	32,45,122	2,48.118	2,64,890	16,772	34.93,240	
Tools and Plant	2,00,599	20,484	2,21,083	15,908	17,273	1.365	2,36,991	
Suspense Balances	...	...	...	1,31,414	...	**—1,31,414**	1,31,414	
Total ...	1,42,69,938	17,50,429	1,60,20,367	15,52,416	15,56,784	4,368	1,75,72,783	
Less Receipts on Capital Account ...	11,673	280	11,953	...	...	...	11,953	
Net Total ...	1,42,58,265	17,50,149	1,60,08,414	15,52,416	15,56,784	4,368	1,75,60,830	
INDIRECT CHARGES—								
Capitalized abatement of Land Revenue	1,53,167	62,819	2,15,986	...	...	...	2,15,986	
Leave and Pension Allowances ...	5,12,094	37,390	5,49,484	34,736	...	**—34,736**	5,84,220	
Total ...	6,65,261	1,00,209	7,65,470	34,736	...	**—34,736**	8,00,206	
GRAND TOTAL ...	1,49,23,526	18,50,358	1,67,73,884	15,87,152	15,56.784	**—30,368**	1,83,61,036	

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Bari Doab Canal Project.

No. 2.—CAPITAL ACCOUNT FOR AND TO END OF 1901-1902.

HEADS OF ACCOUNT.	DIRECT CHARGES. Previous.	DIRECT CHARGES. 1901-1902.	DIRECT CHARGES. Total.	Cost of Construction as now estimated (Construction Estimate closed on 31st March 1890).	Expenditure against Closed Estimates.
I—WORKS.					
(1).—HEAD WORKS—					
C.—Works	7,14,419	...	7,14,419	...	...
K.—Buildings	42,928	...	42,928	...	...
TOTAL	7,57,347	...	7,57,347	...	...
MAIN CANAL & BRANCHES—					
A.—Preliminary Expenses	8,186	...	8,186	...	...
B.—Land	1,20,927	...	1,20,927	...	...
D.—Regulators	3,47,541	4,516	3,52,057	...	...
E.—Falls and Weirs	19,49,484	...	19,49,484	...	...
F.—River and Hill-Torrent Works	5,39,998	...	5,39,998	...	...
F.—(1). Other Cross Drainage Works	1,18,245	...	1,18,245	...	...
G.—Bridges	8,47,627	...	8,47,627	...	...
H.—Escapes	6,38,733	...	6,38,733	...	...
I.—Navigation Works	4,78,588	...	4,78,588	...	...
J.—Mills	81,908	13,103	95,011	...	...
K.—Buildings	4,02,469	1,04,564	5,07,033	...	...
L.—Earth-work	37,69,284	...	37,69,284	...	...
M.—Plantations	95,475	...	95,475	...	...
O.—Miscellaneous	3,52,306	...	3,52,306	...	...
P.—Maintenance	75,872	...	75,872	...	...
TOTAL	98,26,643	1,22,183	99,48,826	...	...
(3).—DISTRIBUTARIES—					
A.—Preliminary Expenses	16,403	1,610	18,013	...	...
B.—Land	2,13,003	34,501	2,47,504	...	...
C.—Works	13,33,636	1,18,241	14,51,877	...	...
L.—Earth-work	14,02,286	1,00,829	15,03,115	...	...
O.—Miscellaneous	(a) 2,42,644	3,849	2,46,493	...	...
P.—Maintenance	8,354	...	8,354	...	...
Add—					
Dinanagar Navigation Channel	35,776	...	35,776	...	...
Shahpur Water-course	63,427	...	63,427	...	...
Lahore City Rajbaha	12,724	...	12,724	...	...
TOTAL	33,28,253	2,59,030	35,87,283	...	...
(4).—DRAINAGE AND PROTECTIVE WORKS—					
A.—Preliminary Expenses	457	44	501	...	...
B.—Land	3	...	3	...	...
C.—Works	27,336	89	27,425	...	...
L.—Earth-work	91,415	2,398	93,813	...	...
O.—Miscellaneous	148	9	157	...	...
TOTAL	1,19,359	2,540	1,21,899	...	...
TOTAL I.—WORKS	1,40,31,602	3,83,753	1,44,15,355	1,47,46,226	1,39,70,933
II.—ESTABLISHMENT.					
(5).—DIRECTION	7,66,289	16,473	7,82,762	...	...
(6).—EXECUTIVE	23,55,054	59,302	24,14,356	...	...
(7).—MEDICAL	5,465	...	5,465	...	...
TOTAL	31,26,808	75,775	32,02,583	32,54,668	31,06,677
III.—TOOLS AND PLANT.					
(9).—NAVIGATION PLANT	22	...	22	...	...
(10).—MILL PLANT—	258	...	258	...	...
(12).—MISCELLANEOUS	5,20,991	69,708	5,90,699	...	...
(13).—REPAIRS AND CARRIAGE	2,360	...	2,360	...	...
TOTAL	5,23,631	69,708	5,93,339	5,69,259	5,59,127
IV.—SUSPENSE ACCOUNTS.					
(14).—STOCK	1,20,542	1,29,522	2,50,064	...	...
(16).—MISCELLANEOUS ADVANCES	403	804	1,207	...	...
(17).—LONDON INVOICES	...	−2,166	−2,166	...	...
(18).—LONDON STORES	6,530	7,415	13,945	...	...
TOTAL	1,27,475	1,35,575	2,63,050	...	...
GRAND TOTAL	1,78,09,516	6,64,811	1,84,74,327	1,85,70,153	1,76,36,737
V.—LESS RECEIPTS ON CAPITAL ACCOUNT	16,955	...	16,955	16,955	16,955
NET TOTAL	1,77,92,561	6,64,811	1,84,57,372	1,85,53,198	1,76,19,782

(*a*) Includes Outlay on Water-courses in Rakhs to be recovered from Settlers—
During 1901-1902 ... ... Rs. −55
Up to date ... ... *Nil.*

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Bari Doab Canal Project.

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.

Receipts.	Total. Previous.	Total. 1901-1902.	Total. Total.
	Rs.	Rs.	Rs.
Occupiers' Rates	4,57,84,799	26,81,469	4,84,66,268
Sales of Water	4,39,487	24,546	4,64,033
Supply of Towns	1,302	...	1,302
Receipts from Plantations ...	6,67,253	22,311	6,89,564
Receipts from other Canal Produce	1,72,969	9,376	1,82,345
Water-power	22,70,351	1,09,789	23,80,140
Carried over ...	4,93,36,161	28,47,491	5,21,83,652

Charges.	Total. Previous.	Total. 1901-1902.	Total. Total.
	Rs.	Rs.	Rs.
(IA).—EXTENSIONS AND IMPROVEMENTS.			
(1).—HEAD WORKS—			
B.—Land	1,14,173	...	1,15,084
C.—Works		177	
K.—Buildings		734	
O.—Miscellaneous		...	
(2).—MAIN CANAL & BRANCHES—			
B.—Land	5,31,288	600	5,77,855
D.—Regulators		1,829	
E.—Falls and Weirs		...	
F.—River and Hill-Torrent Works		...	
F (1).—Other Cross Drainage Works...		...	
G.—Bridges		8,875	
H.—Escapes		...	
I.—Navigation Works ...		...	
J.—Mills		875	
K.—Buildings		32,612	
L.—Earth-work		...	
M.—Plantations		...	
N.—Tanks and Reservoirs ...		...	
O.—Miscellaneous		1,776	
(3).—DISTRIBUTARIES—			
B.—Land	3,02,818	7,476	3,32,016
C.—Works		13,412	
L.—Earth-work		6,749	
O.—Miscellaneous		1,561	
(4).—DRAINAGE & PROTECTIVE WORKS—			
B.—Land	44,366	...	44,416
C.—Works		...	
L.—Earth-work		...	
O.—Miscellaneous		50	
TOTAL ...	9,92,645	76,726	10,69,371
(IB).—MAINTENANCE AND REPAIRS.			
(1).—HEAD WORKS—			
C.—Works	26,35,862	78,449	27,17,041
K.—Buildings		1,741	
O.—Miscellaneous		989	
(2).—MAIN CANAL & BRANCHES—			
C.—Works	45,60,177	71,470	47,69,269
I.—Navigation Works ...		...	
J.—Mills		16,553	
K.—Buildings		20,088	
L.—Earth-work		75,003	
M.—Plantations		15,207	
N.—Tanks and Reservoirs ...		...	
O.—Miscellaneous		10,771	
Carried over ...	71,96,039	2,90,271	74,86,310

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902—CONTD.

RECEIPTS.	TOTAL. Previous.	TOTAL. 1901-1902.	TOTAL. Total.
	Rs.	Rs.	Rs.
Brought forward ...	4,93,36,161	28,47,491	5,21,83,652
Navigation Receipts	5,412	...	5,412
Rents of Buildings	} 3,99,892	1,397	} 4,04,796
Fines		1,250	
Miscellaneous and other Receipts		2,257	
TOTAL ...	4,97,41,465	28,52,395	5,25,93,860
Share of Land Revenue collected in the Civil Department...	1,03,41,827	2,13,234	1,05,55,061
Interest on sale-proceeds of waste lands benefited ...	1,14,578	23,369	1,37,947
TOTAL ...	1,04,56,405	2,36,603	1,06,93.008
TOTAL RECEIPTS ...	6,01,97,870	30,88,998	6,32,86,868

CHARGES.	TOTAL. Previous.	TOTAL. 1901-1902.	TOTAL. Total.
	Rs.	Rs.	Rs.
Brought forward ...	71,96,039	2,90,271	74,86,310
(3).—DISTRIBUTARY CHANNELS—			
C.—Works	} 20,80,946	28,643	} 22,12,813
L.—Earth-work		85,561	
O.—Miscellaneous		17,663	
(4).—DRAINAGE WORKS—			
C.—Works	} 42,846	149	} 43,472
L.—Earth-work		477	
O.—Miscellaneous		...	
TOTAL ...	93,19.831	4,22,764	97,42,595
(IC).—COMPENSATION ...	28,123	1,066	29,189
II.—ESTABLISHMENT.			
(5).—DIRECTION AND ACCOUNT...	15,22,695	35,999	15,58,694
(6).—EXECUTIVE ESTABLISHMENT	46,48,386	1,24.959	47,73,345
(7).—MEDICAL ESTABLISHMENT	59,791	514	60,305
(7A).—REVENUE ESTABLISHMENT	35,17,606	(a) 1,60,743	36,78,349
(7C).—PLANTATIONS	13,674	...	13,674
(7D).—MILLS AND MACHINERY...	52	...	52
TOTAL ...	97,62,204	3,22,215	1,00,84.419
III.—TOOLS AND PLANT.			
(11).—RAILWAY PLANT AND ROLLING-STOCK ...	8,204	...	8,204
(12).—MISCELLANEOUS	1,67.250	12,938	1,80,188
(13).—REPAIRS AND CARRIAGE...	45,619	3,568	49,187
TOTAL ...	2,21,073	16.506	2,37,579
IV.—REFUNDS OF REVENUE	87,421	1,634	89,055
V.—PROFIT AND LOSS ...	1,073	...	1,073
TOTAL ...	2,04,12,370	8,40,911	2,12,53,281
Indirect Charges debitable to Revenue Account as per Account No. 5	16,58,462	47,885	17,06,347
TOTAL CHARGES ...	2,20,70,832	8,88,796	2,29,59.628
Balance, Net Revenue ...	3,81,27,038	22,00,202	4,03,27,240
GRAND TOTAL ...	6,01,97,870	30,88,998	6,32,86,868

(*a*) Includes Rs. 76,628 on account of fees for collection of revenue.

IRRIGATION BRANCH. PUNJAB PROVINCE.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Bari Doab Canal Project.

No. 4.—INTEREST ACCOUNT FOR AND TO END OF 1901-1902.

	Amount.		Amount.
	Rs.		Rs.
Total Interest Charges to end of 1900-1901	2,38,98,168	Net Revenue realized to end of 1900-1901	3,81,27,038
Ditto for the year 1901-1902		Ditto during 1901-1902	22,00,202
On Rs. 1,76,14,952 Outlay to end of 31st March 1900, at 4 per cent. 7,04,598			
On Subsequent Outlay at 3·75 per cent. 19,126	7,23,724		
Total ...	2,46,21,892		
Balance Revenue after defraying Interest Charges	1,57,05,348		
Total ...	4,03,27,240	Total ...	4,03,27,240

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

PARTICULARS.	Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
Capitalization of abatement of Land Revenue	**—13,714**	9,500	**—4,214**
Leave and Pension Allowances	6,69,326	10,608	6,79,934
Total ...	6,55,612	20,108	6,75,720
REVENUE—			
Capitalization of abatement of Land Revenue	2,824	2,775	5,599
Leave and Pension Allowances	16,55,638	45,110	17,00,748
Total ...	16,58,462	47,885	17,06,347
GRAND TOTAL ...	23,14,074	67,993	23,82,067

No. 6—STATEMENT COMPARING CHARGES TO DATE WITH SANCTIONED ESTIMATE.

PARTICULARS.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total Charges to date against Old and Current Sanctions.	REMARKS.
	Expenditure against Construction Estimate.	Expenditure against Open Canal Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent Balance of Estimate.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
DIRECT CHARGES—								
Works	1,24,50,791	15,20,142	1,39,70,933	4,44,422	7,75,293	3,30,871	1,44,15,355	
Establishment ...	27,91,452	3,15,225	31,06,677	95,906	1,47,991	52,085	32,02,583	
Tools and Plant ...	4,98,215	60,912	5,59,127	34,212	10,132	**—24,080**	5,93,339	
Suspense Balances...	...	...	...	2,63,050	...	—2,63,050	2,63,050	
Total ...	1,57,40,458	18,96,279	1,76,36,737	8,37,590	9,33,416	95,826	1,84,74,327	
Less Receipts on Capital Account	16,955	...	16,955	...	...	...	16,955	
Net Total ...	1,57,23,503	18,96,279	1,76,19,782	8,37,590	9,33,416	95,826	1,84,57,372	
INDIRECT CHARGES—								
Capitalized abatement of Land Revenue ...	8,381	**-12,595**	**—4,214**	...	16,000	16,000	**—4,214**	
Leave and Pension Allowances ...	6,22,375	44,132	6,66,507	13,427	3,000	**—10,427**	6,79,934	
Total ...	6,30,756	31,537	6,62,293	13,427	19,000	5,573	6,75,720	
GRAND TOTAL ...	1,63,54,259	19,27,816	1,82,82,075	8,51,017	9,52,416	1,01,399	1,91,33,092	

IRRIGATION BRANCH. PUNJAB PROVINCE.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Sirhind Canal Project.

No. 2.—CAPITAL ACCOUNT FOR AND TO END OF 1901-1902.

HEADS OF ACCOUNT.	DIRECT CHARGES. Imperial. Previous.	Imperial. 1901-1902.	Imperial. Total.	Contribution. Previous.	Contribution. 1901-1902.	Contribution. Total.	Total. Previous.	Total. 1901-1902.	Total. Total.	Cost of Construction as now estimated. (Construction Estimate closed on 31st March 1891).	Expenditure against Closed Estimates.
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(1).—HEAD WORKS—											
A.—Preliminary Expenses ...	483	...	483	272	...	272	755	...	755	...	...
B.—Land	7,190	...	7,190	4,045	...	4,045	11,235	...	11,235	...	...
C.—Works	7,27,888	...	7,27,888	4,09,438	...	4,09,438	11,37,326	...	11,37,326	...	...
K.—Buildings	68,026	**—5,387**	62,639	38,264	**—3,030**	35,234	1,06,290	**—8,417**	97,873	...	...
O.—Miscellaneous	73,804	...	73,804	3,538	...	3,538	77,342	...	77,342	...	...
P.—Maintenance	24,104	...	24,104	13,559	...	13,559	37,663	...	37,663	...	...
TOTAL ...	9,01,495	**—5,387**	8,96,108	4,69,116	**—3,030**	4,66,086	13,70,611	**—8,417**	13,62,194	...	...
(2).—MAIN CANAL & BRANCHES—											
A.—Preliminary Expenses ...	23,536	...	23,536	19,398	...	19 398	42,934	...	42,934	...	...
B.—Land	5,61,372	...	5,61,372	2,54,332	...	2,54,332	8,15,704	...	8,15,704	...	...
D.—Regulators	4,18,720	...	4,18,720	2,95,027	...	2,95,027	7,13,747	...	7,13,747	...	...
E.—Falls and Weirs	7,74,938	...	7,74,938	3,97,909	...	3,97,909	11,72,847	...	11,72,847	...	...
F (1).—Other Cross Drainage Works	12,29,976	...	12,29,976	10,40,080	...	10 40,080	22,70,056	...	22,70,056	...	...
G.—Bridges	6,83,831	4,829	6,88,660	4,66,276	...	4,66,276	11,50,107	4,829	11,54,936	...	...
H.—Escapes	1,79,047	**—652**	1,78,395	99,017	**—367**	98,650	2,78,064	**—1,019**	2,77,045	...	...
I.—Navigation Works ...	17,47,254	...	17,47,254	3,84,346	...	3,84,346	21,31,600	...	21,31,600	...	...
J.—Mills	27,384	...	27,384	...	...	...	27,384	...	27,384	...	...
K.—Buildings	5,94,773	64,577	6,59,350	2,73,708	8,091	2,81,799	8,68,481	72,668	9,41,149	...	...
L.—Earth-work	47,76,527	...	47,76,527	31,61,614	...	31,61,614	79,38,141	...	79,38,141	...	...
M.—Plantations	1,20,812	...	1,20,812	1,04,358	...	1,04,358	2,25,170	...	2,25,170	...	...
N.—Tanks and Reservoirs ...	1,940	...	1,940	...	...	...	1,940	...	1,940	...	...
O.—Miscellaneous	87,897	...	87,897	64,893	...	64,893	1,52,790	...	1,52,790	...	...
P.—Maintenance	2,27,821	...	2,27,821	2,09,075	...	2,09,075	4,36,896	...	4,36,896	...	...
TOTAL ...	1,14,55,828	68,754	1,15,24,582	67,70,033	7,724	67,77,757	1,82,25,861	76,478	1,83,02,339	...	...
(3).—DISTRIBUTARIES—											
A.—Preliminary Expenses ...	51,908	...	51 908	39,471	...	39,471	91,379	...	91,379	...	...
B.—Land	3,87,478	324	3,87,802	72,601	...	72,601	4,60,079	324	4,60,403	...	...
C.—Works	14,00,051	...	14,00,051	7,95,007	...	7,95,007	21,95,058	...	21,95,058	...	...
L.—Earth-work	16,47,847	**—53**	16,47,794	9,77,792	...	9,77,792	26,25,639	**—53**	26,25,586	...	...
O.—Miscellaneous ...	2,16,166	1,219	2,17,385	17,803	...	17,803	2,33,969	1,219	2,35,188	...	...
TOTAL ...	37,03,450	1,490	37,04,940	19,02,674	...	19,02,674	56,06,124	1,490	56,07,614	...	...
(4).—DRAINAGE AND PROTECTIVE WORKS—											
A.—Preliminary Expenses ...	31	...	31	17	...	17	48	...	48	...	...
B.—Land	55,982	...	55,982	44,536	...	44,536	1,00,518	...	1,00,518	...	...
C.—Works	3,303	...	3,303	1,858	...	1,858	5,161	...	5,161	...	...
L.—Earth-work	5,31,372	...	5,31,372	4,24,092	...	4,24,092	9,55,464	...	9,55,464	...	...
P.—Maintenance	2,622	...	2,622	1,475	...	1,475	4,097	...	4,097	...	...
TOTAL ...	5,93,310	...	5,93,310	4,71,978	...	4,71,978	10,65,288	...	10,65,288	...	...
TOTAL I.—WORKS ...	1,66,54,083	64,857	1,67,18,940	96,13,801	4,694	96,18,495	2,62,67,884	69,551	2,63,37,435	2,64,05,912	2,62,80,010
II.—ESTABLISHMENT.											
(5).—DIRECTION	44,93,069 (5 to 8½)	3,455	45,08,960 (5 to 8½)	27,95,687 (5 to 8½)	405	27,97,548 (5 to 8½)	72,88,756 (5 to 8½)	3,860	73,06,508 (5 to 8½)	...	...
(6).—EXECUTIVE		12,436			1,456			13,892			
(7).—MEDICAL		...			...			...			
(8).—SPECIAL SURVEY ...		...			...			...			
(8½).—SPECIAL FIELD SURVEY		...			...			...			
LEAVE & PENSION ALLOWANCES	...	...	...	5,35,214	261	5,35,475	5,35,214	261	5,35,475	...	...
TOTAL ...	44,93,069	15,891	45,08,960	33,30,901	2,122	33,33,023	78,23,970	18,013	78,41,983	78,55,573	78,26,659
III.—TOOLS AND PLANT.											
(9).—NAVIGATION PLANT ...											
(10).—MILL PLANT											
(11).—RAILWAY PLANT AND ROLLING STOCK ...	21,06,077 (9 to 13)	**-19,655** (9 to 13)	20,86,422 (9 to 13)	11,95,498 (9 to 13)	**-11,519** (9 to 13)	11,83,979 (9 to 13)	33,01,575 (9 to 13)	**-31,174** (9 to 13)	32,70,401 (9 to 13)	...	...
(12).—MISCELLANEOUS ...											
(13).—REPAIRS AND CARRIAGE											
LOSS BY EXCHANGE ...	2,740	...	2,740	10,568	...	10,568	13,308	...	13,308	...	...
TOTAL ...	21,08,817	**-19,655**	20,89,162	12,06,066	**-11,519**	11,94,547	33,14,883	**-31,174**	32,83,709	32,83,527	32,81,642
IV.—SUSPENSE ACCOUNST.											
(14).—STOCK	1,21,592	**-38,795**	82,797	...	...	...	1,21,592	**-38,795**	82,797	...	...
(15).—STOCK PURCHASES ...	**—42**	—956	—998	...	...	...	**—42**	—956	—998	...	...
(15A).—STOCK SALES ...	32	1,076	1,108	...	...	...	32	1,076	1,108	...	...
(16).—MISCELLANEOUS ADVANCES ...	235	149	384	...	...	...	235	149	384	...	...
(17).—LONDON INVOICES ...	**—16**	16	...	...	...	...	**—16**	16	...	...	...
(18).—LONDON STORES ...	10,066	**-10,066**	...	...	...	...	10,066	**-10,066**	...	...	...
TOTAL ...	1,31,867	**-48,576**	83,291	...	...	...	1,31,867	**-48,576**	83,291	...	...
GRAND TOTAL ...	2,33,87,836	12,517	2,34,00,353	1,41,50,768	**—4,703**	1,41,46,065	3,75,38,604	7,814	3,75,46,418	3,75,45,012	3,73,88,311
V.—LESS RECEIPTS ON CAPITAL ACCOUNT...	1,07,518	...	1,07,518	68,608	...	68,608	1,76,126	...	1,76,126	1,76,126	1,76,126
NET TOTAL ...	2,32,80,318	12,517	2,32,92,835	1,40,82,160	**—4,703**	1,40,77,457	3,73,62,478	7,814	3,73,70,292	3,73,68,886	3,72,12,185

PUBLIC WORKS

ADMINISTRATIVE ACCOUNTS

Sirhind Canal

No. 3.—REVENUE ACCOUNT

RECEIPTS.	IMPERIAL.			CONTRIBUTION.			TOTAL.		
	Previous.	1901-1902.	Total.	Previous.	1901-02.	Total.	Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Occupiers' Rates ...	2,65,83,476	21,35,958	2,87,19,434	...	...	...	2,65,83,476	21,35,958	2,87,19,434
Sales of Water ...	1,23,498	9,953	1,33,451	2,638	443	3,081	1,26,136	10,396	1,36,532
Water-supply of Towns ...	8	...	8	...	...	...	8	...	8
Receipts from Plantations ...	77,551	4,867	82,418	49,705	4,722	54,427	1,27,256	9,589	1,36,845
Receipts from other Canal Produce	1,28,726	8,366	1,37,092	64,626	4,439	69,065	1,93,352	12,805	2,06,157
Water-power ...	6,88,747	56,767	7,45,514	3,08,606	28,056	3,36,662	9,97,353	84,823	10,82,176
Navigation Receipts ...	1,06,058	4,761	1,10,819	44,602	2,456	47,058	1,50,660	7,217	1,57,877
Rents of Buildings ...	41,925	3,361	45,286	27,530	1,284	28,814	69,455	4,645	74,100
Fines ...	25,396	660	26,056	314	17	331	25,710	677	26,387
Miscellaneous and other Receipts...	4,33,501	91,123	(a) 5,24,624	31,122	2,016	33,138	4,64,623	93,139	5,57,762
TOTAL RECEIPTS ...	2,82,08,886	23,15,816	3,05,24,702	5,29,143	43,433	5,72,576	2,87,38,029	23,59,249	3,10,97,278

(a).—Includes seigniorage charges to Native States during 1901-1902 ... ... Rs. 82,950
Up to date ... ... " 4,55,332

FOR THE YEAR 1901-1902.

Project.

FOR AND TO END OF 1901-1902.

CHARGES.	IMPERIAL.			CONTRIBUTION.			TOTAL.		
	Previous.	1901-1902.	Total.	Previous.	1901-1902.	Total.	Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(IA).—EXTENSIONS AND IMPROVEMENTS.									
(1).—HEAD WORKS—									
B.—Land	4,372	...	4,372	2,459	...	2,459	6,831	...	6,831
C.—Works	82,364	...	82,364	46,331	...	46,331	1,28,695	...	1,28,695
K.—Buildings	7,848	...	7,848	4,254	...	4,254	12,102	...	12,102
(2).—MAIN CANAL & BRANCHES—									
B.—Land	88	...	88	142	...	142	230	...	230
D.—Regulators	27,621	1,191	28,812	10,034	...	10,034	37,655	1,191	38,846
E.—Falls and Weirs	23,746	3,873	27,619	3,934	...	3,934	27,680	3,873	31,553
F. (1).—Other Cross Drainage Works	49,919	...	49,919	27,325	...	27,325	77,244	...	77,244
G.—Bridges	23,694	3,336	27,030	3,819	1,083	4,902	27,513	4,419	31,932
H.—Escapes	...	1,269	1,269	631	...	631	631	1,269	1,900
I.—Navigation Works ...	1,01,990	...	1,01,990	15,566	...	15,566	1,17,556	...	1,17,556
J.—Mills	1,61,663	65	1,61,728	1,10,137	...	1,10,137	2,71,800	65	2,71,865
K.—Buildings	48,474	1,708	50,182	32,364	2,379	34,743	80,838	4,087	84,925
L.—Earth-work	22,196	12,895	35,091	11,899	71	11,970	34,095	12,966	47,061
O.—Miscellaneous	17,992	2,562	20,554	3,88,034	(a) 82,575	4,70,609	4,06,026	85,137	4,91,163
(3).—DISTRIBUTARIES—									
B.—Land	1,008	...	1,008	...	...	...	1,008	...	1,008
C.—Works	55,786	3,285	59,071	5,712	−48	5,664	61,498	3,237	64,735
L.—Earth-work	5,327	265	5,592	4,607	2,636	7,243	9,934	2,901	12,835
O.—Miscellaneous	43,668	7,873	51,541	40	...	40	43,708	7,873	51,581
(4).—DRAINAGE AND PROTECTIVE WORKS—									
C.—Works	6,473	980	7,453	1,586	2,079	3,665	8,059	3,059	11,118
L.—Earth-work	29,043	...	29,043	15,935	...	15,935	44,978	...	44,978
TOTAL ...	7,13,272	39,302	7,52,574	6,84,809	90,775	7,75,584	13.98,081	1,30,077	15,28,158
(IB).—MAINTENANCE AND REPAIRS.									
(1).—HEAD WORKS—									
C.—Works	3,62,683	25,292	3,87,975	1,99,630	14,227	2,13,857	5,62,313	39,519	6,01,832
K.—Buildings	10,886	1,173	12,059	5,972	660	6,632	16,858	1,833	18,691
O.—Miscellaneous	3,601	...	3,601	2,018	...	2,018	5,619	...	5,619
(2).—MAIN CANAL & BRANCHES—									
C.—Works	2,45,802	18,312	2,64,114	1,58,017	10,443	1,68,460	4,03,819	28,755	4,32,574
I.—Navigation Works ...	1,57,113	5,965	1,63,078	47,297	2,519	49.816	2,04,410	8,484	2,12,894
J.—Mills	26,204	3,176	29,380	5,624	663	6,287	31,828	3,839	35,667
K.—Buildings	81,946	7,411	89,357	49,712	3,472	53,184	1,31,658	10,883	1,42,541
L.—Earth-work	7,72,273	54,902	8,27,175	7,35,017	54,941	7,89,958	15,07,290	1,09,843	16,17,133
M.—Plantations	2,18,514	16,226	2,34,740	1,07,383	8,695	1,16,078	3,25,897	24,921	3,50,818
N.—Tanks and Reservoirs ...	6,297	398	6,695	...	...	...	6.297	398	6,695
O.—Miscellaneous	61,770	10,038	71,808	40,948	5,138	46,086	1,02,718	15,176	1,17,894
(3).—DISTRIBUTARIES—									
C.—Works	24,036	7,730	31,766	...	30	30	24,036	7,760	31,796
L.—Earth-work	19,85,387	1,77,495	21,62,882	...	...	...	19,85,387	1,77,495	21,62,882
O.—Miscellaneous	3,681	1,860	5,541	...	...	...	3,681	1,860	5,541
(4).—DRAINAGE WORKS—									
C.—Works	45,237	2,115	47,352	24,917	...	24,917	70,154	2,115	72,269
L.—Earth-work	1,35,462	31,235	1,66,697	1,02,467	17,289	1,19,756	2,37,929	48,524	2,86,453
TOTAL ...	41.40,892	3,63,328	45.04,220	14,79,002	1,18,077	15,97.079	56,19,894	4,81,405	61,01,299
(IC).—COMPENSATION ...	17,147	255	17,402	7,196	...	7,196	24,343	255	24,598
II.—ESTABLISHMENT.									
(5).—DIRECTION	4,36,235	33,661	4,69,896	1,57,180	10,565	1,67,745	5,93,415	44,226	6,37,641
(6).—EXECUTIVE	18,64,955	1,61,393	20,26,348	7,88,933	61,570	8,50,503	26,53,888	2,22,963	28,76,851
(7).—MEDICAL	56,425	5,522	61,947	19,475	1,877	21,352	75,900	7,399	83,299
(7A).—REVENUE ESTABLISHMENT	18,81,976	(b) 1,74,673	20,56,649	1,160	367	1,527	18,83,136	1,75,040	20,58,176
(7B).—NAVIGATION ESTABLISHMENT	11,050	650	11,700	...	...	...	11,050	650	11,700
(7D).—LEAVE AND PENSION ALLOWANCES	...	...	...	1,35,340	10,413	1,45,753	1,35,340	10,413	1,45,753
TOTAL ...	42,50,641	3,75,899	46,26,540	11,02,088	84,792	11,86,880	53,52,729	4,60,691	58,13,420
III.—TOOLS AND PLANT.									
(9).—NAVIGATION PLANT ...	4,609	...	4,609	2,351	...	2,351	6,960	...	6,960
(11).—RAILWAY PLANT AND ROLLING STOCK ...	−640	...	−640	−360	...	−360	−1,000	...	−1,000
(12).—MISCELLANEOUS	31,704	9,322	41,026	6.111	2,353	8,464	37,815	11,675	49,490
(13).—REPAIRS AND CARRIAGE ...	36,675	2,662	39,337	19,541	936	20,477	56.216	3,598	59,814
TOTAL ...	72,348	11,984	84,332	27,643	3,289	30,932	99.991	15,273	1,15,264
IV.—REFUNDS OF REVENUE	29.847	2,745	32,592	1,574	378	1,952	31,421	3,123	34,544
V.—PROFIT AND LOSS ...	372	...	372	85	...	85	457	...	457
SUSPENSE ACCOUNT—									
(14).—Stock	...	...	...	7,258	438	7,696	7,258	438	7,696
(15a).—Stock Sales	...	...	...	40	−40	...	40	−40	...
(16).—Miscellaneous Advances ...	...	...	...	7	90	97	7	90	97
TOTAL ...	...	...	...	7,305	488	7,793	7,305	488	7,793
TOTAL ...	92,24,519	7,93,513	1,00,18,032	33,09,702	2,97,799	36,07,501	1,25,34,221	10,91,312	1,36,25,533
Indirect Charges debitable to Revenue Account, as per Account No. 5	5,96,810	52,626	6,49,436	...	...	...	5,96,810	52,626	6,49,436
TOTAL CHARGES ...	98,21,329	8,46,139	1,06,67,468	33,09,702	2,97,799	36,07,501	1,31,31,031	11,43,938	1,42,74,969
Balance, Net Revenue	1,83,87,557	14,69,677	1,98,57,234	−27,80,559	−2,54,366	−30,34,925	1,56,06,998	12,15,311	1,68,22,309
GRAND TOTAL ...	2,82,08,886	23,15,816	3,05,24,702	5,29,143	43,433	5,72,576	2,87,38,029	23,59,249	3,10,97,278

(b).—Includes Rs. 64,835 on account of fees for collection of revenue.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Sirhind Canal Project.

No. 4.—INTEREST ACCOUNT FOR AND TO END OF 1901-1902.

		Amount.		Amount.
		Rs.		Rs.
Total Interest Charges to end of 1900-1901 ...		2,02,47,838	Net Revenue realized to end of 1900-1901 ...	1,83,87,557
Ditto for the year 1901-1902...			Ditto during 1901-1902 ...	14,69,677
On Rs. 2,31,63,913 Outlay to end of 31st March 1900 at 4 per cent. ...	9,26,557			
On Subsequent Outlay at 3·75 per cent.	4,600			
		9,31,157		
			TOTAL ...	1,98,57,234
			Balance Net Interest Charges	13,21,761
Total ...		2,11,78,995	Total ...	2,11,78,995

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

PARTICULARS.		Previous.	1901-1902.	Total.
CAPITAL—		Rs.	Rs.	Rs.
Capitalization of abatement of Land Revenue		3,21,524	−425	3,21,099
Leave and Pension Allowances	Imperial	8,68,665	2,225	8,70,890
	Contribution	5,35,214	261	5,35,475
Total ...		17,25,403	2,061	17,27,464
Deduct—Leave and Pension Allowances debited to Native States treated as Direct Charge and transferred to Account No. 2 of the Canal ...		5,35,214	261	5,35,475
Net debitable to Imperial		11,90,189	1,800	11,91,989
REVENUE—				
Capitalization of abatement of Land Revenue		1,723	...	1,723
Leave and Pension Allowances	Imperial	5,95,087	52,626	6,47,713
	Contribution	1,35,340	10,413	1,45,753
Total ...		7,32,150	63,039	7,95,189
Deduct—Leave and Pension Allowances debited to Native States treated as Direct Charge and transferred to Account No. 3 of the Canal ...		1,35,340	10,413	1,45,753
Net debitable to Imperial		5,96,810	52,626	6,49,436
GRAND TOTAL ...		17,86,999	54,426	18,41,425

No. 6.—STATEMENT COMPARING CHARGES TO DATE WITH SANCTIONED ESTIMATE.

PARTICULARS.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total Charges to date against Old and Current Sanctions.	REMARKS.
	Expenditure against Construction Estimate.	Expenditure against Open Canal Sanctions.	Total.	Charges to date.	Amount of Sanctioned Estimate.	Unspent Balance of Estimate.		
DIRECT CHARGES—	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	2,50,02,698	12,77,312	2,62,80,010	57,425	1,25,902	68,477	2,63,37,435	
Establishment	75,38,458	2,88,201	78,26,659	15,324	28,914	13,590	78,41,983	
Tools and Plant	32,78,834	2,808	32,81,642	2,067	1,885	−182	32,83,709	
Suspense Balances	...	...	...	83,291	...	−83,291	83,291	
Total ...	3,58,19,990	15,68,321	3,73,88,311	1,58,107	1,56,701	−1,406	3,75,46,418	
Less Receipts on Capital Account ...	1,76,111	15	1,76,126	...	...	...	1,76,126	
Net Total ...	3,56,43,879	15,68,306	3,72,12,185	1,58,107	1,56,701	−1,406	3,73,70,292	
INDIRECT CHARGES—								
Capitalized abatement of Land Revenue	3,15,279	5,820	3,21,099	...	...	...	3,21,099	
Leave and Pension Allowances ...	8,37,694	31,671	8,69,365	1,525	...	−1,525	8,70,890	
Total ...	11,52,973	37,491	11,90,464	1,525	...	−1,525	11,91,989	
GRAND TOTAL ...	3,67,96,852	16,05,797	3,84,02,649	1,59,632	1,56,701	−2,931	3,85,62,281	

IRRIGATION BRANCH. PUNJAB PROVINCE.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Chenab Canal Project.

No. 2.—CAPITAL ACCOUNT FOR AND TO END OF 1901-1902.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated (Construction Estimate closed on 31st March 1900).	Expenditure against Closed Estimates.
	Previous.	1901-1902.	Total.		
I—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1).—HEAD WORKS—					
A.—Preliminary Expenses	5,710	...	5,710	...	...
B.—Land	54,716	6,327	61,043	...	...
C.—Works	40,49,654	1,39,781	41,89,435	...	...
K.—Buildings	85,604	587	86,191	...	...
O.—Miscellaneous	6,084	...	6,084	...	...
P.—Maintenance	1,68,784	...	1,68,784	...	...
TOTAL ...	43,70,552	1,46,695	45,17,247	...	...
(2).—MAIN CANAL & BRANCHES—					
A.—Preliminary Expenses	98,977	19,655	1,18,632	...	...
B.—Land	1,89,399	126	1,89,525	...	...
D.—Regulators	5,63,232	11,522	5,74,754	...	...
E.—Falls and Weirs	5,85,544	...	5,85,544	...	...
F (1).—Other Cross Drainage Works	6,87,002	...	6,87,002	...	...
G.—Bridges	9,73,381	738	9,74,119	...	...
H.—Escapes	5,27,091	...	5,27,091	...	...
J.—Mills	73,020	...	73,020	...	...
K.—Buildings	11,95,503	70,722	12,66,225	...	...
L.—Earth-work	67,46,797	113	67,46,910	...	...
M.—Plantations	85,868	12,013	97,881	...	...
O.—Miscellaneous	1,26,784	8,806	1,35,590	...	...
P.—Maintenance	1,03,228	1,819	1,05,047	...	...
TOTAL ...	1,19,55,826	1,25,514	1,20,81,340	...	...
(3).—DISTRIBUTARIES—					
A.—Preliminary Expenses	1,04,419	14,739	1,19,158	...	...
B.—Land	68,235	3,834	72,069	...	...
C.—Works	14,47,351	60,053	15,07,404	...	...
L.—Earth-work	19,88,130	1,81,091	21,69,221	...	...
O.—Miscellaneous	3,95,625	13,814	4,09,439	...	...
P.—Maintenance	30,160	...	30,160	...	...
TOTAL ...	40,33,920	2,73,531	43,07,451	...	...
(4).—DRAINAGE AND PROTECTIVE WORKS—					
A.—Preliminary Expenses	17,671	594	18,265	...	...
B.—Land	4,104	2	4,106	...	...
C.—Works	2,993	...	2,993	...	...
L.—Earth-work	93,873	...	93,873	...	...
O.—Miscellaneous	34,854	...	34,854	...	...
P.—Maintenance	1,162	...	1,162	...	...
TOTAL ...	1,54,657	596	1,55,253	...	...
TOTAL I.—WORKS ...	2,05,14,955	5,46,336	2,10,61,291	2,15,31,037	2,03,89,111
II.—ESTABLISHMENT.					
(5).—DIRECTION	10,09,930	26,790	10,36,720	...	...
(6).—EXECUTIVE	27,03,589	96,443	28,00,032	...	...
(7).—MEDICAL	62,175	...	62,175	...	...
TOTAL ...	37,75,694	1,23,233	38,98,927	39,96,022	37,45,886
III.—TOOLS AND PLANT.					
(11).—RAILWAY PLANT AND ROLLING STOCK	15,000	...	15,000	...	...
(12).—MISCELLANEOUS	4,79,154	−24,611	4,54,543	...	...
(13).—REPAIRS AND CARRIAGE	1,02,328	...	1,02,328	...	...
TOTAL ...	5,96,482	−24,611	5,71,871	5,83,387	5,67,077
IV.—SUSPENSE ACCOUNTS.					
(14).—STOCK	3,85,202	8,453	3,93,655	...	...
(15).— " PURCHASES	...	−746	−746	...	...
(15a).— " SALES	79	−60	19	...	...
(16).—MISCELLANEOUS ADVANCES	2,435	−1,601	834	...	...
(17).—LONDON INVOICES	−205	205	...	...	...
(18).—LONDON STORES	3,417	−3,417	...	...	...
TOTAL ...	3,90,928	2,834	3,93,762	...	...
GRAND TOTAL ...	2,52,78,059	6,47,792	2,59,25,851	2,61,10,446	2,47,02,074
V.—LESS RECEIPTS ON CAPITAL ACCOUNT ...	14,403	...	14,403	14,403	14,403
NET TOTAL ...	2,52,63,656	6,47,792	2,59,11,448	2,60,96,043	2,46,87,671

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Chenab Canal Project.

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.

RECEIPTS.	TOTAL.		
	Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.
Occupiers' Rates	1,54,63,615	52,77,515	2,07,41,130
Owners' rates on irrigated land	1,18,410	4,177	1,22,587
Sales of Water	14,868	6,569	21,437
Receipts from Plantations ...	3,041	605	3,646
Receipts from other Canal Produce	23,559	4,497	28,056
Water-power	39,065	17,117	56,182
Rents of Buildings	51,301	8,819	60,120
Fines	7,274	1,823	9,097
Miscellaneous and other Receipts	91,030	26,745	1,17,775
TOTAL ...	1,58,12,163	53,47,867	2,11,60,030
Share of Land Revenue collected in the Civil Department...	18,21,247	9,07,880	27,29,127
Interest on sale-proceeds of waste lands benefited ...	4,42,631	1,38,765	5,81,396
TOTAL ...	22,63,878	10,46,645	33,10,523
TOTAL RECEIPTS ...	1,80,76,041	63,94,512	2,44,70,553

CHARGES.	TOTAL.		
	Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.
(IA)—EXTENSIONS AND IMPROVEMENTS.			
(1).—HEAD WORKS—			
B.—Land	...	294	294
C.—Works	72,347	19,298	91,645
K.—Buildings	5,860	267	6,127
(2).—MAIN CANAL & BRANCHES—			
B.—Land	24	...	24
D.—Regulators	34,026	1,660	35,686
E.—Falls and Weirs	13,142	1,332	14,474
F (1).—Other Cross Drainage Works	1,511	...	1,511
G.—Bridges	10,941	442	11,383
H.—Escapes	226	...	226
J.—Mills	257	1,995	2,252
K.—Buildings	2,991	2,316	5,307
L.—Earth-work	68,384	1,804	70,188
M.—Plantations	51,919	...	51,919
N.—Tanks and Reservoirs ...	3,564	...	3,564
O.—Miscellaneous	3,954	1,255	5,209
(3).—DISTRIBUTARIES—			
B.—Land	331	85	416
C.—Works	23,312	27,803	51,115
L.—Earth-work	17,084	23,274	40,358
O.—Miscellaneous	18,880	6,506	25,386
TOTAL ...	3,28,753	88,331	4,17,084
(IB).—MAINTENANCE AND REPAIRS.			
(1).—HEAD WORKS—			
C.—Works	2,77,537	44,615	3,22,152
K.—Buildings	15,748	1,610	17,358
O.—Miscellaneous	13,151	1,040	14,191
(2).—MAIN CANAL & BRANCHES—			
C.—Works	1,11,309	32,176	1,43,485
J.—Mills	1,415	352	1,767
K.—Buildings	1,31,010	24,547	1,55,557
L.—Earth-work	9,19,654	1,52,917	10,72,571
M.—Plantations	1,59,462	41,682	2,01,144
N.—Tanks and Reservoirs ...	209	...	209
O.—Miscellaneous	1,08,848	28,210	1,37,058
(3).—DISTRIBUTARY CHANNELS—			
C.—Works	45,435	10,766	56,201
L.—Earth-work	8,13,721	1,61,639	9,75,360
O.—Miscellaneous	23,966	6,099	30,065
(4).—DRAINAGE WORKS—			
C.—Works	79	...	79
L.—Earth-work	1,316	2,023	3,339
TOTAL ...	26,22,860	5,07,676	31,30,536
(IC).—COMPENSATION ...	15,988	516	16,504
II.—ESTABLISHMENT.			
(5).—DIRECTION AND ACCOUNT...	1,74,006	59,910	2,33,916
(6).—EXECUTIVE ESTABLISHMENT	12,21,707	2,64,110	14,85,817
(7).—MEDICAL ESTABLISHMENT..	64,532	14,083	78,615
(7A).—REVENUE ESTABLISHMENT	13,98,598	(a) 3,35,869	17,34,467
TOTAL ...	28,58,843	6,73,972	35,32,815
III.—TOOLS AND PLANT.			
(12).—MISCELLANEOUS	37,691	3,573	41,264
(13).—REPAIRS AND CARRIAGE...	34,588	8,835	43,423
TOTAL ...	72,279	12,408	84,687
IV.—REFUNDS OF REVENUE	22,882	3,925	26,807
TOTAL ...	59,21,605	12,86,828	72,08,433
Indirect Charges debitable to Revenue Account, as per Account No. 5	4,00,513	94,931	4,95,444
TOTAL CHARGES ...	63,22,118	13,81,759	77,03,877
Balance, Net Revenue ...	1,17,53,923	50,12,753	1,67,66,676
GRAND TOTAL ...	1,80,76,041	63,94,512	2,44,70,553

(a) Includes Rs. 1,46,598 on account of fees for collection of revenue.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Chenab Canal Project.

No. 4.—INTEREST ACCOUNT FOR AND TO END OF 1901-1902.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1900-01.	74,48,080	Net revenue realized to end of 1900-01	1,17,53,923
Do. for the year 1901-02. On Rs. 2,45,68,186 Outlay to end of 31st March 1900 at 4 per cent. 9,82,727; On Subsequent Outlay at 3·75 p. c. ... 38,226	10,20,953	Do. during 1901-02	50,12,753
	84,69,033		
Balance Revenue after defraying Interest Charges	82,97,643		
Total ...	1,67,66,676	Total ...	1,67,66,676

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

PARTICULARS.	Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
Capitalization of abatement of Land Revenue	93,009	5,225	98,234
Leave and Pension Allowances	5,28,478	17,253	5,45,731
Total ...	6,21,487	22,478	6,43,965
REVENUE—			
Capitalization of abatement of Land Revenue	275	575	850
Leave and Pension Allowances	4,00,238	94,356	4,94,594
Total ...	4,00,513	94,931	4,95,444
GRAND TOTAL ...	10,22,000	1,17,409	11,39,409

No. 6.—STATEMENT COMPARING CHARGES TO DATE WITH SANCTIONED ESTIMATE.

PARTICULARS.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total Charges to date against Old and Current Sanctions.	REMARKS.
	Expenditure against Construction Estimate.	Expenditure against Open Canal Sanctions.	Total.	Charges to date.	Amount of Sanctioned Estimate.	Unspent Balance of Estimate.		
DIRECT CHARGES—	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	1,99,23,202	4,65,909	2,03,89,111	6,72,180	11,41,926	4,69,746	2,10,61,291	
Establishment ...	36,40,066	1,05,820	37,45,886	1,53,041	2,50,136	97,095	38,98,927	
Tools and Plant...	5,92,825	**-25,748**	5,67,077	4,794	16,310	11,516	5,71,871	
Suspense Balances	...	...	...	3,93,762	...	**-3,93,762**	3,93,762	
Total ...	2,41,56,093	5,45,981	2,47,02,074	12,23,777	14,08,372	1,84,595	2,59,25,851	
Less Receipts on Capital Accounts ...	14,403	...	14,403	...	...	...	14,403	
Net Total ...	2,41,41,690	5,45,981	2,46,87,671	12,23,777	14,08,372	1,84,595	2,59,11,448	
INDIRECT CHARGES—								
Capitalized abatement of Land Revenue	92,059	6,175	98,234	...	...	...	98,234	
Leave and Pension Allowances ...	5,09,490	14,815	5,24,305	21,426	...	**—21,426**	5,45,731	
Total ...	6,01,549	20,990	6,22,539	21,426	...	**—21,426**	6,43,965	
GRAND TOTAL ...	2,47,43,239	5,66,971	2,53,10,210	12,45,203	14,08,372	1,63,169	2,65,55,413	

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Jhelum Canal Project.

No. 2.—CAPITAL ACCOUNT FOR AND TO END OF 1901-1902.

HEADS OF ACCOUNT.	DIRECT CHARGES. Previous.	DIRECT CHARGES. 1901-1902.	DIRECT CHARGES. Total.	Cost of Construction Estimate.
I.—WORKS.	Rs.	Rs.	Rs.	Rs.
(1).—HEAD WORKS—				
A.—Preliminary Expenses ...	12,179	244	12,423	...
B.—Land ...	10,507	20,674	31,181	...
C.—Works ...	20,01,887	7,25,236	27,27,123	...
K.—Buildings ...	1,21,914	5,489	1,27,403	...
O.—Miscellaneous ...	5,489	12,927	18,416	...
P.—Maintenance ...	9,998	8,331	18,329	...
TOTAL ...	21,61,974	7,72,901	29,34,875	30,04,187
(2).—MAIN CANAL AND BRANCHES—				
A.—Preliminary Expenses ...	74,710	3,698	78,408	...
B.—Land ...	1,32,495	144	1,32,639	...
D.—Regulators ...	2,01,296	42,207	2,43,503	...
E.—Falls and Weirs ...	1,24,382	43,489	1,67,871	...
F (1).—Other Cross Drainage Works ...	57,396	30,008	87,404	...
G.—Bridges ...	4,02,465	1,11,320	5,13,785	...
H.—Escapes ...	...	68,617	68,617	...
K.—Buildings ...	1,49,879	1,98,109	3,47,988	...
L.—Earth-work ...	16,90,166	2,83,889	19,74,055	...
M.—Plantations ...	12,445	21,814	34,259	...
O.—Miscellaneous ...	5,155	14,049	19,204	...
P.—Maintenance ...	6,115	12,807	18,922	...
TOTAL ...	28,56,504	8,30,151	36,86,655	48,95,000
(3).—DISTRIBUTARIES—				
A.—Preliminary Expenses ...	15,503	8,409	23,912	...
C.—Works ...	74,992	2,02,527	2,77,519	...
L.—Earth-work ...	1,18,984	2,17,345	3,36,329	...
O.—Miscellaneous ...	1,949	45,016	46,965	...
TOTAL ...	2,11,428	4,73,297	6,84,725	22,13,000
(4).—DRAINAGE AND PROTECTIVE WORKS—				
A.—Preliminary Expenses ...	4,206	110	4,316	...
C.—Works ...	1,191	100	1,291	...
L.—Earth-work ...	2,439	2,574	5,013	...
O.—Miscellaneous ...	34	49	83	...
TOTAL ...	7,870	2,833	10,703	...
TOTAL I.—WORKS ...	52,37,776	20,79,182	73,16,958	1,01,12,187
II.—ESTABLISHMENT.				
(5).—DIRECTION ...	2,52,164	1,03,952	3,56,116	...
(6).—EXECUTIVE ...	4,57,573	2,28,329	6,85,902	...
(7).—MEDICAL ...	9,509	4,589	14,098	...
(8).—SPECIAL SURVEY ...	42,062	...	42,062	...
TOTAL ...	7,61,308	3,36,870	10,98,178	15,37,796
III.—TOOLS AND PLANT.				
(12).—MISCELLANEOUS ...	3,09,523	5,540	3,15,063	...
(13).—REPAIRS AND CARRIAGE ...	27,987	13,086	41,073	...
TOTAL ...	3,37,510	18,626	3,56,136	4,29,102
IV.—SUSPENSE ACCOUNTS.				
(14).—STOCK ...	5,45,014	**—52,511**	4,92,503	...
(15).— " PURCHASES ...	**—40,658**	37,287	**—3,371**	...
(15a).— " SALES ...	414	**—406**	8	...
(16).—MISCELLANEOUS ADVANCES ...	1,128	**—742**	386	...
(18).—LONDON STORES ...	10,619	4,789	15,408	...
TOTAL ...	5,16,517	**—11,583**	5,04,934	1,50,000
GRAND TOTAL ...	68,53,111	24,23,095	92,76,206	1,22,29,085
V.—LESS RECEIPTS ON CAPITAL ACCOUNT ...	6,222	4,201	10,423	60,000
NET TOTAL ...	68,46,889	24,18,894	92,65,783	1,21,69,085

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Jhelum Canal Project.

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.

Receipts.	Total. Previous.	Total. 1901-1902.	Total. Total.	Charges.	Total. Previous.	Total. 1901-1902.	Total. Total.
					Rs.	Rs.	Rs.
				(IB).—MAINTENANCE AND REPAIRS.			
				(1).—HEAD WORKS—			
				O.—Miscellaneous	...	30	30
				(2).—MAIN CANAL & BRANCHES—			
				L.—Earth work	...	1,164	1,164
				O.—Miscellaneous	...	1,038	1,038
				(3).—DISTRIBUTARIES—			
				L.—Earth-work	...	3,129	3,129
				TOTAL ...	...	5,361	5,361
				II.—ESTABLISHMENT.			
				(5).—DIRECTION AND ACCOUNT	...	215	215
				(6).—EXECUTIVE ESTABLISHMENT	...	773	773
				(7A).—REVENUE ESTABLISHMENT	...	12,080	12,080
				TOTAL ...	...	13,068	13,068
				III.—TOOLS AND PLANT.			
				(12).—MISCELLANEOUS	...	1,617	1,617
				TOTAL ...	...	1,617	1,617
				TOTAL ...	...	20,046	20,046
				Indirect Charges debitable to Revenue Account, as per Account No. 5	...	1,830	1,830
				TOTAL CHARGES ...	...	21,876	21,876
				Balance, Net Revenue ...	...	−21,876	−21,876
				GRAND TOTAL ...	...	...	...

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Jhelum Canal Project.

No. 4.—INTEREST ACCOUNT FOR AND TO END OF 1901-1902.

	Amount.		Amount.
	Rs.		Rs.
Total Interest Charges to end of 1900-1901	3,08,192	Net Revenue realized during 1901-1902	**—21,876**
Ditto for the year 1901-1902		Balance net Interest Charges ...	6,40,726
On Rs. 34,17,840 Outlay to end of 31st March 1900, at 4 per cent. 1,36,714			
On Subsequent Outlay at 3·75 per cent. 1,73,944	3,10,658		
Total ...	6,18,850	Total ...	6,18,850

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

PARTICULARS.	Previous.	1901-1902.	Total.
CAPITAL—	Rs.	Rs.	Rs.
Capitalization of abatement of Land Revenue	42,775	750	43,525
Leave and Pension Allowances	1,06,583	47,162	1,53,745
Total ...	1,49,358	47,912	1,97,270
REVENUE—			
Leave and Pension Allowances	...	1,830	1,830
Total ...	...	1,830	1,830
GRAND TOTAL ...	1,49,358	49,742	1,99,100

No. 6—STATEMENT COMPARING CHARGES TO DATE WITH SANCTIONED ESTIMATE.

PARTICULARS.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total Charges to date against Old and Current Sanctions.	REMARKS.
	Expenditure against Construction Estimate.	Expenditure against Open Canal Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent Balance of Estimate.		
DIRECT CHARGES—	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Revised Estimate sanctioned in Government of India, Irrigation and Buildings and Roads Branch, No. 423 C. W. I., dated 16th April 1901.
Works	...	...	...	73,16,958	1,01,12,187	27,95,229	73,16,958	
Establishment ...	...	...	...	10,98,178	15,37,796	4,39,618	10,98,178	
Tools and Plant ...	...	...	...	3,56,136	4,29,102	72,966	3,56,136	
Suspense Balances...	...	...	...	5,04,934	1,50,000	**—3,54,934**	5,04,934	
Total ...	...	...	...	92,76,206	1,22,29,085	29,52,879	92,76,206	
Less Receipts on Capital Account	...	...	...	10,423	60,000	49,577	10,423	
Net Total ...	...	...	...	92,65,783	1,21,69,085	29,03,302	92,65,783	
INDIRECT CHARGES—								
Capitalized abatement of Land Revenue ...	...	...	...	43,525	1,42,300	98,775	43,525	
Leave and Pension Allowances ...	...	...	...	1,53,745	2,15,291	61,546	1,53,745	
Total ...	...	...	...	1,97,270	3,57,591	1,60,321	1,97,270	
GRAND TOTAL ...	...	...	...	94,63,053	1,25,26,676	30,63,623	94,63,053	

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Lower Sohag and Para Canal Project.

No. 2.—CAPITAL ACCOUNT FOR AND TO END OF 1901-1902.

HEADS OF ACCOUNT.	DIRECT CHARGES. Previous.	DIRECT CHARGES. 1901-1902.	DIRECT CHARGES. Total.	Cost of Construction as now estimated (Construction Estimate closed on 31st March 1891).	Expenditure against closed Estimates.
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(2).—MAIN CANAL AND BRANCHES—					
A.—Preliminary Expenses ...	3,849	...	3,849	...	...
B.—Land	14,071	...	14,071	...	...
D.—Regulators	19,412	920	20,332	...	...
E.—Falls and Weirs	69,015	...	69,015	...	...
G.—Bridges	15,693	...	15,693	...	...
K.—Buildings	40,752	15	40,767	...	...
L.—Earth-work	3,09,963	...	3,09,963	...	...
O.—Miscellaneous	125	...	125	...	...
P.—Maintenance	2,457	...	2,457	...	...
TOTAL ...	4,75,337	935	4,76,272	...	...
(3).—DISTRIBUTARIES					
A.—Preliminary Expenses ...	917	263	1,180	...	...
B.—Land	2,380	...	2,380	...	...
C.—Works	13,184	3,750	16,934	...	...
L.—Earth-work	33,592	15,109	48,701	...	...
O.—Miscellaneous	2,236	...	2,236	...	...
P.—Maintenance	103	...	103	...	...
TOTAL ...	52,412	19,122	71,534	...	...
TOTAL I.—WORKS ...	5,27,749	20,057	5,47,806	5,90,193	5,20,761
II.—ESTABLISHMENT.					
(5).—DIRECTION	27,208	1,003	28,211	...	...
(6).—EXECUTIVE	1,25,812	3,610	1,29,422	...	...
(7).—MEDICAL	2,798	...	2,798	...	...
TOTAL ...	1,55,818	4,613	1,60,431	1,67,829	1,54,201
III.—TOOLS AND PLANT.					
(12).—MISCELLANEOUS	6,977	301	7,278	...	...
(13).—REPAIRS AND CARRIAGE ...	114	...	114	...	...
TOTAL ...	7,091	301	7,392	7,987	7,099
IV.—SUSPENSE ACCOUNTS.					
(14).—STOCK	15,743	7,162	22,905	...	...
(15).— „ PURCHASES	...	−457	−457	...	...
(15*a*)— „ SALES	13	−13	...	...	...
(16).—MISCELLANEOUS ADVANCES ...	11	−4	7	...	...
TOTAL ...	15,767	6,688	22,455	...	...
GRAND TOTAL ...	7,06,425	31,659	7,38,084	7,66,009	6,82,061
V.—LESS RECEIPTS ON CAPITAL ACCOUNT	76	...	76	76	76
NET TOTAL ...	7,06,349	31,659	7,38,008	7,65,933	6,81,985

Public Works Department.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Lower Sohag and Para Canal Project.

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.

Receipts.	Total. Previous.	Total. 1901-1902.	Total. Total.
	Rs.	Rs.	Rs.
Occupiers' Rates	11,04,744	91,583	11,96,327
Sales of Water	1,044	5	1,049
Receipts from Plantations ...	531	1	532
Receipts from other Canal Produce	2,787	59	2,846
Rents of Buildings ...	1,168	...	1,168
Fines	873	...	873
Miscellaneous and other Receipts	29,260	1,953	31,213
Total ...	11,40,407	93,601	12,34,008
Share of Land Revenue collected in the Civil Department...	3,57,800	77,873	4,35,673
Interest on sale-proceeds of waste lands benifited ...	10,664	1,930	12,594
Total ...	3,68,464	79,803	4,48,267
TOTAL RECEIPTS ...	15,08,871	1,73,404	16,82,275

Charges.	Total. Previous.	Total. 1901-1902.	Total. Total.
	Rs.	Rs.	Rs.
(IA).—EXTENSIONS AND IMPROVEMENTS.			
(2).—MAIN CANAL & BRANCHES—			
E.—Falls and Weirs	...	421	421
G.—Bridges	...	1,751	1,751
K.—Buildings	1,754	688	2,442
L.—Earth-work	45,725	4,575	50,300
O.—Miscellaneous	628	...	628
(3).—DISTRIBUTARIES—			
B.—Land	54	...	54
C.—Works	2,032	...	2,032
L.—Earth-work	6,491	...	6,491
O.—Miscellaneous	1,030	89	1,119
TOTAL ...	57,714	7,524	65,238
(IB).—MAINTENANCE AND REPAIRS.			
(2).—MAIN CANAL & BRANCHES—			
C.—Works	12,598	6,658	19,256
K.—Buildings	15,710	1,313	17,023
L.—Earth-work	4,14,079	52,584	4,66,663
M.—Plantations	18,899	3,720	22,619
O.—Miscellaneous	6,156	3,098	9,254
(3).—DISTRIBUTARY CHANNELS—			
C.—Works	1,444	1,868	3,312
L.—Earth-work	48,577	4,586	53,163
O.—Miscellaneous	1,461	327	1,788
TOTAL ...	5,18,924	74,154	5,93,078
(IC).—COMPENSATION ...	85	...	85
II.—ESTABLISHMENT.			
(5).—DIRECTION AND ACCOUNT...	58,992	5,143	64,135
(6).—EXECUTIVE ESTABLISHMENT	2,11,127	18,325	2,29,452
(7).—MEDICAL ESTABLISHMENT...	2,508	...	2,508
(7A).—REVENUE ESTABLISHMENT	1,14,058	(a) 14,447	1,28,505
TOTAL ...	3,86,685	37,915	4,24,600
III.—TOOLS AND PLANT.			
(12).—MISCELLANEOUS	308	115	423
TOTAL ...	308	115	423
IV.—REFUNDS OF REVENUE	1,720	42	1,762
TOTAL ...	9,65,436	1,19,750	10,85,186
Indirect Charges debitable to Revenue Account, as per Account No. 5	54,137	5,308	59,445
TOTAL CHARGES ...	10,19,573	1,25,058	11,44,631
Balance, Net Revenue ...	4,89,298	48,346	5,37,644
GRAND TOTAL ...	15,08,871	1,73,404	16,82,275

(a).—Includes Rs. 2,197 on account of fees for collection of revenue.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Lower Sohag and Para Canal Project.

No. 4.—INTEREST ACCOUNT FOR AND TO END OF 1901-1902.

		Amount.		Amount.
		Rs.		Rs.
Total Interest Charges to end of 1900-1901 ...		4,14,569	Net Revenue realized to end of 1900-1901 ...	4,89,298
Ditto for the year 1901-1902...			Ditto during 1901-1902 ...	48,346
On Rs. 6,97,001 Outlay to end of 31st March 1900 at 4 per cent. ...	27,880			
On Subsequent Outlay at 3·75 per cent.	944			
		28,824		
Total ...		4,43,393		
Balance revenue after defraying Interest Charges		94,251		
Total ...		5,37,644	Total ...	5,37,644

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

PARTICULARS.	Previous.	1901-1902.	Total.
CAPITAL—	Rs.	Rs.	Rs.
Capitalization of abatement of Land Revenue	6,061	...	6,061
Leave and Pension Allowances	21,640	646	22,286
Total ...	27,701	646	28,347
REVENUE—			
Leave and Pension Allowances	54,137	5,308	59,445
Total ..	54,137	5,308	59,445
GRAND TOTAL ...	81,838	5,954	87,792

No. 6.—STATEMENT COMPARING CHARGES TO DATE WITH SANCTIONED ESTIMATE.

PARTICULARS.	CHARGES AGAINST CLOSED SANCTIONS. Expenditure against Construction Estimate	Expenditure against Open Canal Sanctions.	Total.	CURRENT SANCTIONS. Charges to date.	Amount of Sanctioned Estimate.	Unspent Balance of Estimate.	Total Charges to date against Old and Current Sanctions.	REMARKS.
DIRECT CHARGES—	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	5,02,151	18,610	5,20,761	27,045	69,432	42,387	5,47,806	
Establishment	1,49,916	4,285	1,54,201	6,230	13,628	7,398	1,60,431	
Tools and Plant	6,805	294	7,099	293	888	595	7,392	
Suspense Balances	...	...	...	22,455	...	−22,455	22,455	
Total ...	6,58,872	23,189	6,82,061	56,023	83,948	27,925	7,38,084	
Less Receipts on Capital Account ...	76	...	76	...	...	...	76	
Net Total ...	6,58,796	23,189	6,81,985	56,023	83,948	27,925	7,38,008	
INDIRECT CHARGES—								
Capitalized abatement of Land Revenue	5,520	541	6,061	...	...	...	6,061	
Leave and Pension Allowances ...	20,815	600	21,415	871	...	−871	22,286	
Total ...	26,335	1,141	27,476	871	...	−871	28,347	
GRAND TOTAL ...	6,85,131	24,330	7,09,461	56,894	83,948	27,054	7,66,355	

IRRIGATION BRANCH. PUNJAB PROVINCE.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Sidhnai Canal Project.

No. 2.—CAPITAL ACCOUNT FOR AND TO END OF 1901-1902.

Heads of Account.	Direct Charges. Previous.	Direct Charges. 1901-1902.	Direct Charges. Total.	Cost of Construction as now estimated (Construction Estimate closed on 31st March 1892.	Expenditure against closed Estimates.
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1).—Head Works—					
A.—Preliminary Expenses	754	...	754	...	...
B.—Land	235	...	235	...	...
C.—Works	2,46,260	...	2,46,260	...	...
K.—Buildings	11,646	...	11,646	...	...
O.—Miscellaneous	391	...	391	...	...
Total ...	2,59,286	...	2,59,286	...	...
(2).—Main Canal and Branches—					
A.—Preliminary Expenses	4,014	...	4,014	...	...
B.—Land	21,868	554	22,422	...	...
D.—Regulators	49,568	...	49,568	...	...
G.—Bridges	44,980	...	44,980	...	...
K.—Buildings	67,318	...	67,318	...	...
L.—Earth-work	2,58,996	...	2,58,996	...	...
M.—Plantations	821	...	821	...	...
O.—Miscellaneous	427	...	427	...	...
P.—Maintenance	5,394	...	5,394	...	...
Total ...	4,53,386	554	4,53,940	...	...
(3).—Distributaries—					
A.—Preliminary Expenses	3,624	341	3,965	...	...
B.—Land	6,308	277	6,585	...	...
C.—Works	63,470	900	64,370	...	...
L.—Earth-work	1,24,395	6,179	1,30,574	...	...
O.—Miscellaneous	165	...	165	...	...
Total ...	1,97,962	7,697	2,05,659	...	...
(4).—Drainage and Protective Works—					
A.—Preliminary Expenses	36	...	36	...	...
Total ...	36	...	36	...	...
Total I.—WORKS ...	9,10,670	8,251	9,18,921	9,48,831	9,11,016
II.—ESTABLISHMENT.					
(5).—Direction	48,085	395	48,480	...	...
(6).—Executive	2,06,771	1,423	2,08,194	...	...
(7).—Medical	2,796	...	2,796	...	...
Total ...	2,57,652	1,818	2,59,470	2,61,968	2,58,190
III.—TOOLS AND PLANT.					
(12).—Miscellaneous	36,121	119	36,240	...	...
(13).—Repairs and Carriage	1,480	...	1,480	...	...
Total ...	37,601	119	37,720	37,863	37,617
IV.—SUSPENSE ACCOUNTS.					
(14).—Stock	19,101	4,878	23,979	...	...
(16).—Miscellaneous Advances	114	120	234	...	..
Total ...	19,215	4,998	24,213	...	...
GRAND TOTAL ...	12,25,138	15,186	12,40,324	12,48,662	12,06,823
V.—LESS RECEIPTS ON CAPITAL CACOUNT	224	...	224	224	224
Net Total ...	12,24,914	15,186	12,40,100	12,48,438	12,06,599

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Sidhnai Canal Project.

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.

Receipts.	Total. Previous.	Total. 1901-1902.	Total. Total.
	Rs.	Rs.	Rs.
Water-rates from Irrigation ...	31,64,214	3,82,112	35,46,326
Sales of Water	5,522	813	6,335
Receipts from Plantations ...	224	5	229
Receipts from other Canal Produce	2,411	15	2,426
Rents of Buildings	3,938	1,127	5,065
Fines	3,424	132	3,556
Miscellaneous and other Receipts	687	34	721
TOTAL ...	31,80,420	3,84,238	35,64,658
Share of Land Revenue collected in the Civil Department...	2,50,670	97,987	3,48,657
Interest on sale-proceeds of waste lands benefited ...	45,947	13,329	59,276
TOTAL ...	2,96,617	1,11,316	4,07,933
TOTAL RECEIPTS ...	34,77,037	4,95,554	39,72,591

Charges.	Total. Previous.	Total. 1901-1902.	Total. Total.
	Rs.	Rs.	Rs.
(IA).—EXTENSIONS AND IMPROVEMENTS.			
(1).—HEAD WORKS—			
C.—Works	6,315	...	6,315
K.—Buildings	5,450	...	5,450
O.—Miscellaneous	17	...	17
(2).—MAIN CANAL & BRANCHES—			
B.—Land	24	...	24
D.—Regulators	6,534	7,819	14,353
E.—Falls and Weirs	5,843	3,489	9,332
G.—Bridges	2,408	...	2,408
K.—Buildings	27,649	3,325	30,974
L.—Earth-work	12,203	23,208	35,411
M.—Plantations	12,364	...	12,364
O.—Miscellaneous	11,669	832	12,501
(3).—DISTRIBUTARIES—			
C.—Works	16,914	8,982	25,896
O.—Miscellaneous	4,654	...	4,654
(4).—DRAINAGE AND PROTECTIVE WORKS—			
C.—Works	508	...	508
TOTAL ...	1,12,552	47,655	1,60,207
(IB).—MAINTENANCE AND REPAIRS.			
(1).—HEAD WORKS—			
C.—Works	1,37,817	13,353	1,51,170
K.—Buildings	2,675	369	3,044
O.—Miscellaneous	1,967	...	1,967
(2).—MAIN CANAL & BRANCHES—			
C.—Works	17,279	1,885	19,164
K.—Buildings	25,545	2,836	28,381
L.—Earth-work	2,59,777	16,625	2,76,402
M.—Plantations	29,666	4,285	33,951
O.—Miscellaneous	15,716	3,041	18,757
(3).—DISTRIBUTARY CHANNELS—			
C.—Works	12,429	2,046	14,475
L.—Earth-work	1,99,513	25,897	2,25,410
O.—Miscellaneous	1,666	517	2,183
TOTAL ...	7,04,050	70,854	7,74,904
II.—ESTABLISHMENT.			
(5).—DIRECTION AND ACCOUNT...	64,894	4,372	69,266
(6).—EXECUTIVE ESTABLISHMENT	3,16,406	20,426	3,36,832
(7).—MEDICAL ESTABLISHMENT...	155	823	978
(7A).—REVENUE ESTABLISHMENT	1,69,650	(a) 29,044	1,98,694
TOTAL ...	5,51,105	54,665	6,05,770
III.—TOOLS AND PLANT.			
(12).—MISCELLANEOUS	13,107	325	13,432
(13).—REPAIRS AND CARRIAGE...	13,033	858	13,891
TOTAL ...	26,140	1,183	27,323
IV.—REFUNDS OF REVENUE	253	15	268
TOTAL ...	13,94,100	1,74,372	15,68,472
Indirect Charges debitable to Revenue Account, as per Account No. 5	77,413	7,653	85,066
TOTAL CHARGES ...	14,71,513	1,82,025	16,53,538
Balance, Net Revenue ...	20,05,524	3,13,529	23,19,053
GRAND TOTAL ...	34,77,037	4,95,554	39,72,591

(a) Includes Rs. 4,966 on account of fees for collection of revenue.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Sidhnai Canal Project.

No. 4.—INTEREST ACCOUNT FOR AND TO END OF 1901-1902.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1900-01.	5,96,096	Net revenue realized to end of 1900-01	20,05,524
Do. for the year 1901-02.		Do. during 1901-02	3,13,529
On Rs. 12,02,175 Outlay to end of 31st March 1900 at 4 per cent. 48,087			
On Subsequent Outlay at 3·75 p. c. ... 1,137	49,224		
	6,45,320		
Balance Revenue after defraying Interest Charges	16,73,733		
Total ...	23,19,053	Total ...	23,19,053

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

PARTICULARS.	Previous.	1901-1902.	Total.
CAPITAL—	Rs.	Rs.	Rs.
Capitalization of abatement of Land Revenue	3,303	25	3,328
Leave and Pension Allowances	35,974	255	36,229
Total ...	39,277	280	39,557
REVENUE—			
Capitalization of abatement of Land Revenue	260	...	260
Leave and Pension Allowances	77,153	7,653	84,806
Total ...	77,413	7,653	85,066
GRAND TOTAL ...	1,16,690	7,933	1,24,623

No. 6.—STATEMENT COMPARING CHARGES TO DATE WITH SANCTIONED ESTIMATE.

PARTICULARS.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total Charges to date against Old and Current Sanctions.	REMARKS.
	Expenditure against Construction Estimate.	Expenditure against Open Canal Sanctions.	Total.	Charges to date.	Amount of Sanctioned Estimate.	Unspent Balance of Estimate.		
DIRECT CHARGES—	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	701,204	2,09,812	9,11,016	7,905	37,815	29,910	9,18,921	
Establishment ...	2,04,803	53,387	2,58,190	1,280	3,778	2,498	2,59,470	
Tools and Plant...	22,253	15,364	37,617	103	246	143	37,720	
Suspense Balances	...	...	...	24,213	...	**−24,213**	24,213	
Total ...	9,28,260	2,78,563	12,06,823	33,501	41,839	8,338	12,40,324	
Less Receipts on Capital Account ...	224	...	224	...	...	...	224	
Net Total ...	9,28,036	2,78,563	12,06,599	33,501	41,839	8,338	12,40,100	
INDIRECT CHARGES—								
Capitalized abatement of Land Revenue	2,994	334	3,328	...	...	...	3,328	
Leave and Pension Allowances ...	28,576	7,474	36,050	179	...	**−179**	36,229	
Total ...	31,570	7,808	39,378	179	...	**−179**	39,557	
GRAND TOTAL ...	9,59,606	2,86,371	12,45,977	33,680	41,839	8,159	12,79,657	

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Upper Sutlej Inundation Canals Project.

No. 2.—CAPITAL ACCOUNT FOR AND TO END OF 1901-1902.

HEADS OF ACCOUNT.	DIRECT CHARGES.			Cost of Construction as now estimated (Construction Estimate closed on 31st March 1894).	Expenditure against Closed Estimates.
	Previous.	1901-1902	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(2).—MAIN CANAL AND BRANCHES—					
B.—Land	29,268	...	29,268	...	...
D.—Regulators	8.795	...	8,795	...	...
G.—Bridges	28.973	...	28,973	...	..
K.—Buildings	70.763	5,660	76,423	...	...
L.—Earth work	2,42,592	...	2,42,592	...	...
O.—Miscellaneous	4,987	...	4,987	...	...
TOTAL ...	3,85,378	5,660	3,91,038	...	...
(3).—DISTRIBUTARIES—					
A.—Preliminary Expenses ...	1,173	...	1,173	...	...
B.—Land	36,817	...	36,817	...	...
C.—Works	47,526	...	47,526	...	...
L.—Earth-work	1,65,167	...	1,65,167	...	..
O.—Miscellaneous	15,166	...	15,166	...	...
P.—Maintenance	4,549	...	4,549	...	...
TOTAL ...	2,70,398	...	2,70,398	...	...
TOTAL I.—WORKS ...	6,55,776	5,660	6,61,436	6,65,292	6,55,776
II.—ESTABLISHMENT.					
(5).—DIRECTION	20,113	283	20,396	..	...
(6).—EXECUTIVE	80,902	1,019	81,921	...	...
(7).—MEDICAL	155	...	155	...	...
TOTAL ...	1,01,170	1,302	1,02,472	1,03,272	1,01,170
III.—TOOLS AND PLANT.					
(12).—MISCELLANEOUS	14,981	85	15,066	...	...
TOTAL ...	14,981	85	15,066	15,118	14,981
GRAND TOTAL ...	7,71,927	7,047	7,78,974	7,83,682	7,71,927
V.—LESS RECEIPTS ON CAPITAL ACCOUNT ...	80	...	80	80	80
NET TOTAL ...	7,71,847	7,047	7,78,894	7,83,602	7,71,847

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Upper Sutlej Inundation Canals Project.

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.

Receipts.	Total. Previous.	Total. 1901-1902.	Total. Total.
	Rs.	Rs.	Rs.
Occupiers' Rates	16,34,911	3,75,332	20,10,243
Owners' rates on irrigated land	17,732	...	17,732
Sales of water	1,077	36	1,113
Receipts from plantations ...	80,911	1,328	82,239
Receipts from other Canal Produce	57,651	1,465	59,116
Carried over ...	17,92,282	3,78,161	21,70,443

Charges.	Total. Previous.	Total. 1901-1902.	Total. Total.
	Rs.	Rs.	Rs.
(IA).—EXTENSIONS AND IMPROVEMENTS.			
(2).—MAIN CANAL & BRANCHES—			
B.—Land		2,635	
D.—Regulators		...	
E.—Falls and Weirs		...	
F.—River and Hill-Torrent Works		...	
F (1).—Other Cross Drainage Works		...	
G.—Bridges		...	
H.—Escapes	1,25,574	...	1,37,104
I.—Navigation Works ...		...	
J.—Mills		...	
K.—Buildings		7,845	
L.—Earth-work		...	
M.—Plantations		...	
N.—Tanks and Reservoirs ...		...	
O.—Miscellaneous		1,050	
(3).—DISTRIBUTARIES—			
B.—Land		...	
C.—Works		3,600	
L.—Earth-work	68,795	1,833	75,668
O.—Miscellaneous		1,440	
TOTAL ...	1,94,369	18,403	2,12,772
(IB).—MAINTENANCE AND REPAIRS.			
(1).—HEAD WORKS—			
C.—Works			
K.—Buildings	10,379	...	10,379
O.—Miscellaneous			
(2).—MAIN CANAL & BRANCHES—			
C.—Works		16,537	
I.—Navigation Works ...		...	
J.—Mills		...	
K.—Buildings		4,830	
L.—Earth-work	20,63,370	60,897	21,50,910
M.—Plantations		4,458	
N.—Tanks and Reservoirs ...		...	
O.—Miscellaneous		818	
Carried over ...	20,73,749	87,540	21,61,289

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.—*Continued.*

Receipts.	Total. Previous.	Total. 1901-1902.	Total. Total.	Charges.	Total. Previous.	Total. 1901-1902.	Total. Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	17,92,282	3,78,161	21,70,443	Brought forward ...	20,73,749	87,540	21,61,289
				(3).—Distributaries Channels—			
				C.—Works		7,492	
				L.—Earth-work	3,88,777	30,810	4,28,271
Rents of Buildings		579		O.—Miscellaneous		1,192	
				Total ...	24,62,526	1,27,034	25,89,560
				(1C).—Compensation ...	7,876	193	8,069
Fines	1,28,504	150	1,39,833	II.—Establishment.			
				(5).—Direction and Account	3,94,571	9,257	4,03,828
				(6).—Executive Establishment	11,73,039	29,665	12,02,704
				(7).—Medical "	21,525	911	22,436
				(7A).—Revenue "	4,22,067	(a) 26,816	4,48,883
Miscellaneous and other Receipts		(b) 10,600		Total ...	20,11,202	66,649	20,77,851
				III.—Tools and Plant.			
				(9).—Navigation Plant ...	916	...	916
				(12).—Miscellaneous	25,993	660	26,653
Contributions	22,835	...	22,835	(13).—Repairs and Carriage...	9,187	1,006	10,193
				Total ...	36,096	1,666	37,762
				IV.—Refunds of Revenue	5,296	321	5,617
Total ...	19,43,621	3,89,490	23,33,111	V.—Profit and Loss ...	379	...	379
				Total ...	47,17,744	2,14,266	49,32,010
Share of Land Revenue collected in the Civil Department	39,78,762	1,99,923	41,78,685	Indirect Charges debitable to Revenue Account, as per Account No. 5	3,44,058	9,406	3,53,464
				Total Charges ...	50,61,802	2,23,672	52,85,474
				Balance, Net Revenue ...	8,60,581	3,65,741	12,26,322
Total Receipts ...	59,22,383	5,89,413	65,11,796	Grand Total ...	59,22,383	5,89,413	65,11,796

(a).—Includes Rs. 7,660 on account of fees for collection of revenue.

(b).— " " 7,294 " Patwaris fees.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Upper Sutlej Inundation Canals Project.

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

Particulars.	Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
Capitalization of abatement of Land Revenue	50,197	1,400	51,597
Leave and Pension Allowances	16,018	182	16,200
Total	66,215	1,582	67,797
REVENUE—			
Capitalization of abatement of Land Revenue	4,023	75	4,098
Leave and Pension Allowances	3,40,035	9,331	3,49,366
Total	3,44,058	9,406	3,53,464
GRAND TOTAL	4,10,273	10,988	4,21,261

No. 6.—STATEMENT COMPARING CHARGES TO DATE WITH SANCTIONED ESTIMATE.

Particulars.	Charges against Closed Sanctions: Expenditure against Construction Estimate.	Charges against Closed Sanctions: Expenditure against Open Canal Sanctions.	Charges against Closed Sanctions: Total.	Current Sanctions: Charges to date.	Current Sanctions: Amount of Sanctioned Estimate.	Current Sanctions: Unspent Balance of Estimate.	Total Charges to date against Old and Current Sanctions.	Remarks.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
DIRECT CHARGES—								
Works	5,05,610	1,50,166	6,55,776	5,660	9,516	3,856	6,61,436	
Establishment ...	74,843	26,327	1,01,170	1,302	2,102	800	1,02,472	
Tools and Plant ...	13,263	1,718	14,981	85	137	52	15,066	
Total ...	5,93,716	1,78,211	7,71,927	7,047	11,755	4,708	7,78,974	
Less Receipts on Capital Account	80	...	80	...	...	...	80	
Net Total ...	5,93,636	1,78,211	7,71,847	7,047	11,755	4,708	7,78,894	
INDIRECT CHARGES—								
Capitalized abatement of Land Revenue ...	48,161	3,436	51,597	...	...	...	51,597	
Leave and Pension allowances ...	12,333	3,685	16,018	182	...	**−182**	16,200	
Total ...	60,494	7,121	67,615	182	...	**−182**	67,797	
GRAND TOTAL ...	6,54,130	1,85,332	8,39,462	7,229	11,755	4,526	8,46,691	

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Lower Sutlej Inundation Canals Project.

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.

RECEIPTS.	TOTAL Previous.	TOTAL 1901-1902.	TOTAL Total.	CHARGES.	TOTAL Previous.	TOTAL 1901-1902.	TOTAL Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Occupiers' Rates	1,67,992	31,242	1,99,234	(IA).—EXTENSIONS AND IMPROVEMENTS.			
				(2).—MAIN CANAL & BRANCHES—			
				B.—Land		—114	
				D.—Regulators		7,748	
				E.—Falls and Weirs		3,474	
				F.—River and Hill-Torrent Works		...	
				F (1).—Other Cross Drainage Works		...	
				G.—Bridges		5,598	
Sales of Water	203	24	227	H.—Escapes	3,23,472	1,006	3,55,570
				I.—Navigation Works		...	
				J.—Mills		...	
				K.—Buildings		9,538	
				L.—Earth-work		2,865	
				M.—Plantations		...	
				N.—Tanks and Reservoirs ...		...	
				O.—Miscellaneous		1,983	
Receipts from Plantations ...	43,047	25	43,072	(3).—DISTRIBUTARIES—			
				B.—Land	2,980	...	2,980
				C.—Works	11,535	6,050	17,585
				L.—Earth-work	...	2,417	2,417
				O.—Miscellaneous	298	3,042	3,340
				(4).—DRAINAGE AND PROTECTIVE WORKS—			
				L.—Earth-work	4,657	...	4,657
				O.—Miscellaneous	1,031	...	1,031
				TOTAL ...	3,43,973	43,607	3,87,580
Receipts from other Canal Produce	32,285	4	32,289	(IB).—MAINTENANCE AND REPAIRS.			
				(2).—MAIN CANAL & BRANCHES—			
				C.—Works		3,593	
				I.—Navigation Works		...	
				J.—Mills		...	
				K.—Buildings	10,51,613	2,624	10,93,99
				L.—Earth-work		33,114	
				M.—Plantations		2,413	
				N.—Tanks and Reservoirs ...		...	
				O.—Miscellaneous		639	
				Carried over ...	10,51,613	42,383	10,93,99
Carried over ...	2,43,527	31,295	2,74,822				

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902—*Continued*

RECEIPTS.	TOTAL. Previous.	TOTAL. 1901-1902.	TOTAL. Total.
	Rs.	Rs.	Rs.
Brought forward ...	2,43,527	31,295	2,74,822
Rents of Buildings		149	
Fines	35,800	1,639	37,831
Miscellaneous and other Receipts		243	
TOTAL ...	2,79,327	33,326	3,12,653
Contributions	10,59,755	42,065	11,01,820
Chher Labor	36,77,169	1,21,911	37,99,080
TOTAL ...	50,16,251	1,97,302	52,13,553
Share of Land Revenue collected in the Civil Department...	54,91,403	1,74,260	56,65,663
TOTAL RECEIPTS ...	1,05,07,654	3,71,562	1,08,79,216

CHARGES.	TOTAL. Previous.	TOTAL. 1901-1902.	TOTAL. Total.
	Rs.	Rs.	Rs.
Brought forward ...	10,51,613	42,383	10,93,996
(3).—DISTRIBUTARY CHANNELS— *C.*—Works ... . *L.*—Earth-work .. ... *O.*—Miscellaneous	1,987	...	1,987
(4).—DRAINAGE WORKS— *C.*—Works ... ... *L.*—Earth-work ... ... *O.*—Miscellaneous	3,540	...	3,540
TOTAL ...	10,57,140	42,383	10,99,523
(IC).—COMPENSATION ...	242	...	242
II.—ESTABLISHMENT.			
(5).—DIRECTION AND ACCOUNT	2,86,999	10,799	2,97,798
(6).—EXECUTIVE ESTABLISHMENT	8,04,955	32,569	8,37,524
(7).—MEDICAL " ...	7,955	811	8,766
(7A).—REVENUE " ...	1,15,467	(a) 7,380	1,22,847
TOTAL ...	12,15,376	51,559	12,66,935
III.—TOOLS AND PLANT.			
(12).—MISCELLANEOUS	13,310	791	14,101
(13).—REPAIRS AND CARRIAGE...	4,504	540	5,044
TOTAL ...	17,814	1,331	19,145
IV.—REFUNDS OF REVENUE	1,795	113	1,908
V.—PROFIT AND LOSS ...	348	...	348
SUSPENSE ACCOUNTS— Stock	5,497	2,931	8,428
TOTAL ...	26,42,185	1,41,924	27,84,109
Chher Labor	36,77,169	1,21,911	37,99.080
TOTAL ...	63,19,354	2,63,835	65,83,189
Indirect Charges debitable to Revenue Account, as per Account No. 5	2,04,993	7,043	2,12,036
TOTAL CHARGES ...	65,24,347	2,70,878	67,95,225
Balance, Net Revenue ...	39,83,307	1,00,684	40,83,991
GRAND TOTAL ...	1,05,07,654	3,71,562	1,08,79,216

(*a*).—Includes Rs. 2,281 on account of fees for collection of revenue.

The figures for Lower Sutlej and Chenab Inundation Canals have been separated, *vide* Government of India, P. W. D., No. 61-A.I., dated 26th October 1900. For figures in column "Previous," *vide* Letter No. 1176-A. I., dated 24th April 1902, from Secretary to Government Punjab, Public Works Department, Irrigation Branch.

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

PARTICULARS.	Previous.	1901-1902.	Total.
REVENUE—	Rs.	Rs.	Rs.
Capitalization of abatement of Land Revenue	1,205	...	1,205
Leave and Pension Allowances	2,03,788	7,043	2,10,831
Total ..	2,04,993	7,043	2,12,036
GRAND TOTAL ...	2,04,993	7,043	2,12,036

The figures for Lower Sutlej and Chenab Inundation Canals have been separated, *vide* Government of India, P. W. D., Letter No. 61-A.I., dated 26th October 1900. For figures in column "Previous" *vide* Letter No. 1176-A. I., dated 24th April 1902, from Secretary to Government, Punjab, P. W. D., Irrigation Branch.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Indus Inundation Canals Project.

No. 2.—CAPITAL ACCOUNT FOR AND TO END OF 1901-1902.

HEADS OF ACCOUNT.	DIRECT CHARGES.			Cost of Construction as now estimated (Construction Estimate closed on 31st March 1894).	Expenditure against Closed Estimates.
	Previous.	1901-1902.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
—MAIN CANAL AND BRANCHES—					
D.—Regulators	17,610	...	17,610	...	...
F.—River and Hill-Torrent Works ...	402	...	402	...	...
G.—Bridges	3,891	...	3,891	...	...
H.—Escapes	3,640	...	3,640	...	...
K.—Buildings	7,387	14,300	21,687	...	...
L.—Earth-work	2,85,251	...	2,85,251	...	...
O.—Miscellaneous	776	...	776	...	...
TOTAL ...	3,18,957	14,300	3,33,257	...	...
—DRAINAGE AND PROTECTIVE WORKS—					
K.—Buildings	1,613	...	1,613	...	...
L.—Earth-work	3,43,078	...	3,43,078	...	...
TOTAL ...	3,44,691	...	3,44,691	...	...
TOTAL I.—WORKS ...	6,63,648	14,300	6,77,948	6,79,538	6,63,648
II.—ESTABLISHMENT.					
(5).—DIRECTION	29,010	715	29,725	...	...
(6).—EXECUTIVE	57,627	2,574	60,201	...	...
(7).—MEDICAL	567	...	567	...	...
TOTAL ...	87,204	3,289	90,493	90,734	87,204
III.—TOOLS AND PLANT.					
(12).—MISCELLANEOUS	670	214	884	...	...
TOTAL ...	670	214	884	900	670
GRAND TOTAL ...	7,51,522	17,803	7,69,325	7,71,172	7,51,522
V.—LESS RECEIPTS ON CAPITAL ACCOUNT ...	63,616	...	63,616	63,616	63,616
NET TOTAL ...	6,87,906	17,803	7,05,709	7,07,556	6,87,906

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Indus Inundation Canals Project.

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.

RECEIPTS.	TOTAL. Previous.	TOTAL. 1901-1902.	TOTAL. Total.	CHARGES.	TOTAL. Previous.	TOTAL. 1901-1902.	TOTAL. Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Occupiers' Rates	4,02,170	80,344	4,82,514	(IA).—EXTENSIONS AND IMPROVEMENTS.			
				(2).—MAIN CANAL & BRANCHES—			
				B.—Land		2,711	
				D.—Regulators		1,154	
				E.—Falls and Weirs		...	
Water rates from irrigation ...	92,189	...	92,189	*F.*—River and Hill-Torrent Works		...	
				F (1).—Other Cross Drainage Works		...	
				G.—Bridges		2,267	
				H.—Escapes	4,13,630	...	4,27,094
				I.—Navigation Works ...		...	
Sale of Government share of produce	4,51,279	13,659	4,64,938	*J.*—Mills		...	
				K.—Buildings		2,488	
				L.—Earth-work		3,310	
				M.—Plantations		...	
				N.—Tanks and Reservoirs ...		...	
Sales of Water	485	80	565	*O.*—Miscellaneous		1,534	
				(3).—DISTRIBUTARIES—			
				B.—Land		...	
				C.—Works	7,683	495	9,973
				L.—Earth-work		1,507	
				O.—Miscellaneous		288	
Receipts from Plantations ...	58,580	2,770	61,350	(4).—DRAINAGE AND PROTECTIVE WORKS—			
				B.—Land	1,221	1,203	2,424
				C.—Works	78,187	...	78,187
				L.—Earth-work	3,38,784	33,782	3,72,566
				O.—Miscellaneous	284	...	284
				TOTAL ...	8,39,789	50,739	8,90,528
Receipts from other Canal Produce	3,492	37	3,529	(IB).—MAINTENANCE AND REPAIRS.			
				(2).—MAIN CANAL & BRANCHES—			
				C.—Works		4,921	
				I.—Navigation Works ...		...	
				J.—Mills		...	
				K.—Buildings		894	
				L.—Earth-work	40,40,137	56,132	41,07,235
				M.—Plantations		1,902	
				N.—Tanks and Reservoirs ...		...	
				O.—Miscellaneous		3,249	
Carried over ...	10,08,195	96,890	11,05,085	Carried over ...	40,40,137	67,098	41,07,235

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.—*Continued.*

RECEIPTS.	TOTAL. Previous.	TOTAL. 1901-1902.	TOTAL. Total.	CHARGES.	TOTAL. Previous.	TOTAL. 1901-1902.	TOTAL. Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	10,08,195	96,890	11,05,085	Brought forward ...	40,40,137	67,098	41,07,235
				(3).—DISTRIBUTARY CHANNELS—			
				C.—Works ... ... *L.*—Earth-work ... ... *O.*—Miscellaneous	60	...	60
				(4).—DRAINAGE WORKS—			
				C.—Works ... ... *L.*—Earth-work ... ... *O.*—Miscellaneous	5,02,472	16,600	5,19,072
				TOTAL ...	45,42,669	83,698	46,26,367
Rents of Buildings		...		(IC).—COMPENSATION ...	2,523	...	2,523
				II.—ESTABLISHMENT.			
				(5).—DIRECTION AND ACCOUNT...	6,14,288	11,056	6,25,344
Fines	41,566	367	42,435	(6).—EXECUTIVE ESTABLISHMENT	16,46,634	48,210	16,94,844
				(7).—MEDICAL ESTABLISHMENT...	14,080	...	14,080
Miscellaneous and other Receipts		502		(7A).—REVENUE ESTABLISHMENT	3,47,078	(a) 11,504	3,58,582
				(7C).—PLANTATIONS	5,635	...	5,635
				TOTAL ...	26,27,715	70,770	26,98,485
TOTAL ...	10,49,761	97,759	11,47,520	III.—TOOLS AND PLANT.			
Contribution of Silt Clearance	4,18,934	...	4,18,934	(12).—MISCELLANEOUS	34,822	276	35,098
				(13).—REPAIRS AND CARRIAGE...	12,429	979	13,408
Clearance Rate	12,79,605	...	12,79,605	TOTAL ...	47,251	1,255	48,506
TOTAL ...	27,48,300	97,759	28,46,059	IV.—REFUNDS OF REVENUE	1,210	7	1,217
				V.—PROFIT AND LOSS ...	1,599	...	1,599
Share of Land Revenue collected in the Civil Department...	64,51,723	2,60,199	67,11,922	SUSPENSE ACCOUNTS—			
				(14).—Stock...	1,788	748	2,536
				TOTAL ...	80,64,544	2,07,217	82,71,761
				Indirect Charges debitable to Revenue Account, as per Account No. 5	4,61,714	10,383	4,72,097
				TOTAL CHARGES ...	85,26,258	2,17,600	87,43,858
				Balance, Net Revenue ...	6,73,765	1,40,358	8,14,123
TOTAL RECEIPTS ...	92,00,023	3,57,958	95,57,981	GRAND TOTAL ...	92,00,023	3,57,958	95,57,981

(a) Includes Rs. 2,278 on account of fees for collection of revenue.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Indus Inundation Canals Project.

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

PARTICULARS.	Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
Capitalization of abatement of Land Revenue	57	...	57
Leave and Pension Allowances	19,672	460	20,132
Total ...	19,729	460	20,189
REVENUE—			
Capitalization of abatement of Land Revenue	12,658	475	13,133
Leave and Pension Allowances	4,49,056	9,908	4,58,964
Total ...	4,61,714	10,383	4,72,097
GRAND TOTAL ...	4,81,443	10,843	4,92,286

No. 6.—STATEMENT COMPARING CHARGES TO DATE WITH SANCTIONED ESTIMATE.

PARTICULARS.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total Charges to date against Old and Current Sanctions	REMARKS.
	Expenditure against Construction Estimate.	Expenditure against Open Canal Sanctions.	Total.	Charges to date.	Amount of Sanctioned Estimate.	Unspent Balance of Estimate.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
DIRECT CHARGES—								
Works	6,63,648	...	6,63,648	14,300	15,890	1,590	6,77,948	
Establishment ...	87,204	...	87,204	3,289	3,530	241	90,493	
Tools and Plant...	670	...	670	214	230	16	884	
Total ...	7,51,522	...	7,51,522	17,803	19,650	1,847	7,69,325	
Less Receipts on Capital Account ...	63,616	...	63,616	...	...	...	63,616	
Net Total ...	6,87,906	...	6,87,906	17,803	19,650	1,847	7,05,709	
INDIRECT CHARGES—								
Capitalized abatement of Land Revenue	57	...	57	...	...	...	57	
Leave and Pension Allowances ...	19,672	...	19,672	460	...	−460	20,132	
Total ...	19,729	...	19,729	460	...	−460	20,189	
GRAND TOTAL ...	7,07,635	...	7,07,635	18,263	19,650	1,387	7,25,898	

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Chenab Inundation Canals Project.

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.

RECEIPTS.	TOTAL. Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.
Occupiers' Rates	41,348	1,55,971	1,97,319
Sales of Water	218	490	708
Receipts from Plantations ...	42,747	2,843	45,590
Receipts from other Canal Produce	31,084	185	31,269
Carried over ...	1,15,397	1,59,489	2,74,886

CHARGES.	TOTAL. Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.
(IA).—EXTENSIONS AND IMPROVEMENTS.			
(2).—MAIN CANAL & BRANCHES—			
B.—Land		2,570	
D.—Regulators		11,599	
E.—Falls and Weirs		6,619	
F.—River and Hill-Torrent Works		...	
F (1).—Other Cross Drainage Works		...	
G.—Bridges		20,098	
H.—Escapes	4,81,790	...	5,39,346
I.—Navigation Works ...		...	
J.—Mills		...	
K.—Buildings		4,315	
L.—Earth-work		6,758	
M.—Plantations		...	
N.—Tanks and Reservoirs ...		...	
O.—Miscellaneous		5,597	
(3).—DISTRIBUTARIES—			
B.—Land	1,207	...	1,207
C.—Works	5,452	641	6,093
L.—Earth-work	5,056	...	5,056
O.—Miscellaneous	836	590	1,426
(4).—DRAINAGE AND PROTECTIVE WORKS—			
L.—Earth-work	12,457	...	12,457
O.—Miscellaneous	506	...	506
TOTAL ...	5,07,304	58,787	5,66,091
(IB).—MAINTENANCE AND REPAIRS.			
(2).—MAIN CANAL & BRANCHES—			
C.—Works		6,804	
I.—Navigation Works ...		...	
J.—Mills		...	
K.—Buildings	11,17,268	1,872	12,81,909
L.—Earth-work		1,41,249	
M.—Plantations		2,402	
N.—Tanks and Reservoirs ...		...	
O.—Miscellaneous		12,314	
Carried over ...	11,17,268	1,64,641	12,81,909

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.—*Continued.*

Receipts.	Total. Previous.	Total. 1901-1902.	Total. Total.
	Rs.	Rs.	Rs.
Brought forward ...	1,15,397	1,59,489	2,74,886
Rents of Buildings	33,175	...	34,941
Fines		1,470	
Miscellaneous and other Receipts		296	
Total ...	1,48,572	1,61,255	3,09,827
Contributions	11,26,884	6,567	11,33,451
Chher Labor	24,08,114	...	24,08,114
Total ...	36,83,570	1,67,822	38,51,392
Share of Land Revenue collected in the Civil Department	62,39,222	1,60,766	63,99,988
TOTAL RECEIPTS ...	99,22,792	3,28,588	1,02,51,380

Charges.	Total. Previous.	Total. 1901-1902.	Total. Total.
	Rs.	Rs.	Rs.
Brought forward ...	11,17,268	1,64,641	12,81,909
(3).—Distributary Channels—			
C.—Works	7,524	447	12,464
L.—Earth-work		1,622	
O.—Miscellaneous		2,871	
(4).—Drainage Works—			
C.—Works	49,361	1,951	51,312
L.—Earth-work			
O.—Miscellaneous			
Total ...	11,74,153	1,71,532	13,45,685
(IC).—COMPENSATION ...	1,719	...	1,719
II.—ESTABLISHMENT.			
(5).—Direction and Account	3,38,605	9,514	3,48,119
(6).—Executive Establishment	9,46,238	38,531	11,38,521
(7).—Medical "	9,671		
(7A).—Revenue "	1,44,081	(a)	
Total ...	14,38,595	48,045	14,86,640
III.—TOOLS AND PLANT.			
(12).—Miscellaneous	14,092	623	14,715
(13).—Repairs and Carriage...	5,355	578	5,933
Total ...	19,447	1,201	20,648
IV.—REFUNDS OF REVENUE	1,302	1,194	2,496
V.—PROFIT AND LOSS ...	425	...	425
Total ...	31,42,945	2,80,759	34,23,704
Chher Labor	24,08,114	...	24,08,114
Total ...	55,51,059	2,80,759	58,31,818
Indirect Charges debitable to Revenue Account, as per Account No. 5	2,46,100	6,784	2,52,884
Total Charges ...	57,97,159	2,87,543	60,84,702
Balance, Net Revenue ...	41,25,633	41,045	41,66,678
GRAND TOTAL ...	99,22,792	3,28,588	1,02,51,380

(*a*).—Includes Rs. 5,266 on account of fees for collection of revenue, and Rs. 2,264 debited by N.-W. Ry.

The figures for Lower Sutlej and Chenab Inundation Canals have been separared, *vide* Government of India, P. W. D., No. 61 A. I., dated 26th October 1900. For figures in column "Previous," *vide* Letter No. 1176 A. I., dated 22nd April 1902, from Secretary to Government, Punjab, P. W. D., Irrigation Branch.

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

Particulars.	Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.
Revenue—			
Capitalization of abatement of Land Revenue	3,361	100	3,461
Leave and Pension Allowances	2,42,739	6,684	2,49,423
Total ...	2,46,100	6,784	2,52,884
Grand Total ...	2,46,100	6,784	2,52,884

The figures for Lower Sutlej and Chenab Inundation Canals have been separated, *vide* Government of India, P. W. D., Letter No. 61 A. I., dated 26th October 1900. For figures in column "Previous," *vide* Letter No. 1176 A. I., dated 22nd April 1902, from Secretary to Government, Punjab, P. W. D., Irrigation Branch.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Shahpur Canals Project—Imperial.

No. 2.—CAPITAL ACCOUNT FOR AND TO END OF 1901-1902.

HEADS OF ACCOUNT.	DIRECT CHARGES.			Cost of Construction as now estimated (Construction Estimate closed on 31st March 1894.	Expenditure against Closed Estimates.
	Previous.	1901-1902.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(2).—MAIN CANAL AND BRANCHES—					
B.—Land	3,028	...	3,028	...	...
D.—Regulators	9,792	...	9,792	...	...
G.—Bridges	20,522	...	20,522	...	...
L.—Earth-work	89,974	...	89,974	...	...
TOTAL ...	1,23,316	...	1,23,316	...	...
(3).—DISTRIBUTARIES—					
B.—Land	8,219	...	8,219	...	...
C.—Works	18,561	...	18,561	...	...
L.—Earth-work	21,569	...	21,569	...	...
TOTAL ...	48,349	...	48,349	...	...
TOTAL I.—WORKS ...	1,71,665	...	1,71,665	1,71,665	1,71,665
II.—ESTABLISHMENT.					
(5).—DIRECTION	7,378	...	7,378	...	...
(6).—EXECUTIVE	22,101	...	22,101	...	...
TOTAL ...	29,479	...	29,479	29,479	29,479
III.—TOOLS AND PLANT.					
(12).—MISCELLANEOUS	534	...	534	...	...
(13).—REPAIRS AND CARRIAGE	28	...	28	...	...
TOTAL ...	562	...	562	562	562
IV.—SUSPENSE ACCOUNTS.					
(14).—STOCK	3,796	**—3,796**	...	...	...
(16).—MISCELLANEOUS ADVANCES	33	**—33**	...	...	...
TOTAL ...	3,829	**—3,829**	...	...	...
GRAND TOTAL ...	2,05,535	**—3,829**	2,01,706	2,01,706	2,01,706
LESS RECEIPTS ON CAPITAL ACCOUNT	...	...	...	...	...
NET TOTAL ...	2,05,535	**—3,829**	2,01,706	2,01,706	2,01,706

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Shahpur Canals Project.—Imperial.

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.

RECEIPTS.	TOTAL Previous.	TOTAL 1901-1902.	TOTAL Total.
	Rs.	Rs.	Rs.
Occupiers' Rates	10,71,008	88,575	11,59,583
Sales of Water	172	...	172
Receipts from Plantations ...	8,611	657	9,268
Receipts from other Canal Produce	3,269	...	3,269
Fines	1,668	118	1,786
Miscellaneous and other Receipts	1,226	70	1,296
TOTAL ...	10,85,954	89,420	11,75,374
Share of Land Revenue collected in the Civil Department	1,20,686	16,626	1,37,312
TOTAL RECEIPTS ...	12,06,640	1,06,046	13,12,686

CHARGES.	TOTAL Previous.	TOTAL 1901-1902.	TOTAL Total.
	Rs.	Rs.	Rs.
(IA).—EXTENSIONS AND IMPROVEMENTS.			
(2).—MAIN CANAL & BRANCHES—			
B.—Land	64,750	...	71,484
D.—Regulators		2,967	
E.—Falls and Weirs		...	
F.—River and Hill-Torrent Works		...	
F (1).—Other Cross Drainage Works		...	
G.—Bridges		2,930	
H.—Escapes		...	
I.—Navigation Works		...	
J.—Mills		...	
K.—Buildings		...	
L.—Earth-work		...	
M.—Plantations		...	
N.—Tanks and Reservoirs ...		...	
O.—Miscellaneous		837	
(3).—DISTRIBUTARIES—			
B.—Land	12,790	...	13,389
C.—Works		185	
L.—Earth-work		...	
O.—Miscellaneous		414	
TOTAL ...	77,540	7,333	84,873
(IB).—MAINTENANCE AND REPAIRS.			
(2).—MAIN CANAL & BRANCHES—			
C.—Works	3,41,460	293	3,55,785
I.—Navigation Works		...	
J.—Mills		...	
K.—Buildings		...	
L.—Earth-work		13,621	
M.—Plantations		320	
N.—Tanks and Reservoirs ...		...	
O.—Miscellaneous		91	
(3).—DISTRIBUTARY CHANNELS—			
C.—Works	34,364	32	37,969
L.—Earth-work		3,448	
O.—Miscellaneous		125	
TOTAL ...	3,75,824	17,930	3,93,754
II.—ESTABLISHMENT.			
(5).—DIRECTION AND ACCOUNT...	17,112	2,314	19,426
(6).—EXECUTIVE ESTABLISHMENT	1,14,415	13,557	1,27,972
(7).—MEDICAL "	1,277	...	1,277
(7 A).—REVENUE "	81,463	(a) 9,639	91,102
TOTAL ...	2,14,267	25,510	2,39,777
III.—TOOLS AND PLANT.			
(12).—MISCELLANEOUS ...	2,853	63	2,916
(13).—REPAIRS AND CARRIAGE ...	974	218	1,192
TOTAL ...	3,827	281	4,108
IV.—REFUNDS OF REVENUE	1,150	50	1,200
TOTAL ...	6,72,608	51,104	7,23,712
Indirect Charges debitable to Revenue Account, as per Account No. 5	31,268	3,571	34,839
TOTAL CHARGES ...	7,03,876	54,675	7,58,551
Balance, Net Revenue	5,02,764	51,371	5,54,135
GRAND TOTAL ...	12,06,640	1,06,046	13,12,686

(a).—Includes Rs. 2,223 on account of fees for collection of revenue.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Shahpur Canals Project—Imperial.

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

PARTICULARS.	Previous.	1901-1902.	Total.
CAPITAL—	Rs.	Rs.	Rs.
Capitalization of abatement of Land Revenue	5,638	...	5,638
Leave and Pension Allowances	4,234	...	4,234
Total ...	9,872	...	9,872
REVENUE—			
Capitalization of abatement of Land Revenue ...	744	...	744
Leave and Pension Allowances	30,524	3,571	34,095
Total ...	31,268	3,571	34,839
GRAND TOTAL ...	41,140	3,571	44,711

No. 6—STATEMENT COMPARING CHARGES TO DATE WITH SANCTIONED ESTIMATE.

PARTICULARS.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total Charges to date against Old and Current Sanctions.	REMARKS.
	Expenditure against Construction Estimate.	Expenditure against Open Canal Sanctions.	Total.	Charges to date.	Amount of Sanctioned Estimate.	Unspent Balance of Estimate.		
DIRECT CHARGES—	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	1,33,385	38,280	1,71,665	...	...	...	1,71,665	
Establishment ...	21,600	7,879	29,479	...	...	...	29,479	
Tools and Plant ...	40	522	562	...	...	...	562	
Total ...	1,55,025	46,681	2,01,706	...	...	...	2,01,706	
INDIRECT CHARGES—								
Capitalized abatement of Land Revenue ...	1,592	4,046	5,638	...	...	...	5,638	
Leave and Pension Allowances ...	3,131	1,103	4,234	...	...	...	4,234	
Total ...	4,723	5,149	9,872	...	...	...	9,872	
GRAND TOTAL ...	1,59,748	51,830	2,11,578	...	...	...	2,11,578	

IRRIGATION BRANCH. PUNJAB PROVINCE.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Shahpur Canals Project—Provincial.

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.

RECEIPTS.	TOTAL.		
	Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.
Occupiers' Rates	2,34,722	50,342	2,85,064
Sales of Water	1,228	220	1,448
Receipts from Plantations ...	1,250	534	1,784
Receipts from other Canal Produce	119	...	119
Fines	29	...	29
Miscellaneous and other Receipts	3,586	...	3,586
TOTAL ...	2,40,934	51,096	2,92,030
Share of Land Revenue collected in the Civil Department...	48,690	8,743	57,433
TOTAL RECEIPTS ...	2,89,624	59,839	3,49,463

CHARGES.	TOTAL.		
	Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.
(IA).—EXTENSIONS AND IMPROVEMENTS.			
(2).—MAIN CANAL & BRANCHES—			
B.—Land	1,169	...	1,169
D.—Regulators	8,179	92	8,271
E.—Falls and Weirs	1,779	...	1,779
G.—Bridges	2,697	1,570	4,267
H.—Escapes	333	...	333
K.—Buildings	5,009	580	5,589
L.—Earth-work	4,826	269	5,095
O.—Miscellaneous	533	1,730	2,263
(3).—DISTRIBUTARIES—			
B.—Land	6,470	...	6,470
C.—Works	2,637	630	3,267
L.—Earth-work	473	...	473
O.—Miscellaneous	...	79	79
TOTAL ...	34,105	4,950	39,055
(IB).—MAINTENANCE AND REPAIRS.			
(2).—MAIN CANAL & BRANCHES—			
C.—Works	3,722	1,360	5,082
K.—Buildings	...	29	29
L.—Earth-work	65,023	13,492	78,515
M.—Plantations	392	55	447
O.—Miscellaneous	2,208	301	2,509
(3).—DISTRIBUTARY CHANNELS—			
C.—Works	572	243	815
L.—Earth-work	11,778	3,547	15,325
O.—Miscellaneous	477	147	624
TOTAL ...	84,172	19,174	1,03,346
(IC).—COMPENSATION ...	62	...	62
II.—ESTABLISHMENT.			
(5).—DIRECTION AND ACCOUNT	2,685	1,800	4,485
(6).—EXECUTIVE ESTABLISHMENT	70,475	11,297	81,772
(7).—MEDICAL " ...	851	...	851
(7A).—REVENUE " ...	36,192	(*a*) 7,506	43,698
TOTAL ...	1,10,203	20,603	1,30,806
III.—TOOLS AND PLANT.			
(12).—MISCELLANEOUS	761	234	995
(13).—REPAIRS AND CARRIAGE...	539	...	539
TOTAL ...	1,300	234	1,534
IV.—REFUNDS OF REVENUE	468	...	468
TOTAL ...	2,30,310	44,961	2,75,271
Indirect Charges debitable to Revenue Account, as per Account No. 5	16,770	2,884	19,654
TOTAL CHARGES ...	2,47,080	47,845	2,94,925
Balance, Net Revenue ...	42,544	11,994	54,538
GRAND TOTAL ...	2,89,624	59,839	3,49,463

(*a*).—Includes Rs. 1,325 on account of fees for collection of revenue.

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

PARTICULARS.	Previous.	1901-1902.	Total.
REVENUE—	Rs.	Rs.	Rs.
Capitalization of abatement of Land Revenue	1,343	...	1,343
Leave and Pension Allowances	15,427	2,884	18,311
Total ..	16,770	2,884	19,654
GRAND TOTAL ...	16,770	2,884	19,654

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Muzaffargarh Canals Project.

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.

RECEIPTS.	TOTAL. Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.
Occupiers' Rates	62	...	62
Sales of Water	6	...	6
Fines	13,163	1,218	14,381
Miscellaneous and other Receipts	1,015	7	1,022
TOTAL ...	14,246	1,225	15,471
Contributions	5,44,568	62,923	6,07,491
Chher Labor	21,89,012	1,43,846	23,32,858
TOTAL ...	27,47,826	2,07,994	29,55,820
Share of Land Revenue collected in the Civil Department	52,66,481	2,67,530	55,34,011
TOTAL RECEIPTS ...	80,14,307	4,75,524	84,89,831

CHARGES.	TOTAL. Previous.	1901-1902.	Total.
(IA).—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
(2).—MAIN CANAL & BRANCHES—			
B.—Land	16,200	1,790	17,990
D.—Regulators	89,382	22,441	1,11,823
E.—Falls and Weirs	3,486	...	3,486
G.—Bridges	5,582	132	5,714
H.—Escapes	1,711	...	1,711
L.—Earth-work	55,934	...	55,934
O.—Miscellaneous	6,623	1,138	7,761
(3).—DISTRIBUTARIES—			
C.—Works	785	...	785
L.—Earth-work	295	...	295
(4).—DRAINAGE AND PROTECTIVE WORKS—			
C.—Works	2,786	...	2,786
L.—Earth-work	5,743	...	5,743
O.—Miscellaneous	2,857	...	2,857
TOTAL ...	1,91,384	25,501	2,16,885
(IB).—MAINTENANCE AND REPAIRS.			
(2).—MAIN CANAL & BRANCHES—			
C.—Works	64,259	4,821	69,080
K.—Buildings	361	...	361
L.—Earth-work	4,70,791	42,476	5,13,267
M.—Plantations	24,214	1,519	25,733
O.—Miscellaneous	32,664	1,249	33,913
(3).—DISTRIBUTARY CHANNELS—			
L.—Earth-work	906	...	906
O.—Miscellaneous	171	...	171
(4).—DRAINAGE WOKS—			
C.—Works	7	...	7
L.—Earth-work	16,219	...	16,219
O.—Miscellaneous	687	...	687
TOTAL ...	6,10,279	50,065	6,60,344
(IC).—COMPENSATION ...	3,412	458	3,870
II.—ESTALISHMENT.			
(5).—DIRECTION AND ACCOUNT	2,47,920	20,313	2,68,233
(6).—EXECUTIVE ESTABLISHMENT	5,91,827	34,627	6,26,454
(7A).—REVENUE " ...	2,23,856	(*a*) 15,880	2,39,736
TOTAL ...	10,63,603	70,820	11,34,423
III.—TOOLS AND PLANT.			
(12).—MISCELLANEOUS	11,490	272	11,762
(13).—REPAIRS AND CARRIAGE ...	4,866	445	5,311
TOTAL ...	16,356	717	17,073
IV.—REFUNDS OF REVENUE	831	4	835
V.—PROFIT AND LOSS ...	4	...	4
Stock	2,976	436	3,412
Chher Labor	21,89,012	1,43,846	23,32,858
TOTAL ...	40,77,857	2,91,847	43,69,704
Indirect Charges debitable to Revenue Account, as per Account No. 5	1,52,337	9,888	1,62,225
TOTAL CHARGES ...	42,30,194	3,01,735	45,31,929
Balance, Net Revenue ...	37,84,113	1,73,789	39,57,902
GRAND TOTAL ...	80,14,307	4,75,524	84,89,831

(*a*).—Includes Rs. 2,299 on account of fees for collection of revenue.

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

PARTICULARS.	Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
Capitalization of abatement of Land Revenue	985	295	1,280
Leave and Pension Allowances	1,51,352	9,593	1,60,945
Total ...	1,52,337	9,888	1,62,225
GRAND TOTAL ...	1,52,337	9,888	1,62 ,225

IRRIGATION BRANCH. PUNJAB PROVINCE.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Ghaggar Canal Project.

No. 2.—CAPITAL ACCOUNT FOR AND TO END OF 1901-1902.

HEADS OF ACCOUNT.	DIRECT CHARGES.									Cost of construction estimated (Construction Estimate closed on 31st March 1902.
	IMPERIAL.			CONTRIBUTION.			TOTAL.			
	Previous.	1901-1902.	Total.	Previous.	1901-1902.	Total.	Previous.	1901-1902.	Total.	
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(1).—HEAD WORKS—										
B.—Land	432	...	432	288	...	288	720	...	720	...
C.—Works	56,528	3,289	59,817	37,686	2,192	39,878	94,214	5,481	99,695	...
K.—Buildings	866	...	866	578	...	578	1,444	...	1,444	...
TOTAL ...	57,826	3,289	61,115	38,552	2,192	40,744	96,378	5,481	1,01,859	...
(2).—MAIN CANAL AND BRANCHES—										
A.—Preliminary Expenses ...	7,569	...	7,569	5,046	...	5,046	12,615	...	12,615	...
B.—Land	8,750	...	8,750	3,750	...	3,750	12,500	...	12,500	...
D.—Regulators	19,682	...	19,682	8,434	...	8,434	28,116	...	28,116	...
E.—Falls and Weirs	1,861	...	1,861	5,049	...	5,049	6,910	...	6,910	...
G.—Bridges	22,677	1,399	24,076	27,099	600	27,699	49,776	1,999	51,775	...
H.—Escapes	2,815	10,148	12,963	1,206	4,349	5,555	4,021	14,497	18,518	...
K.—Buildings	5,771	118	5,889	15,334	51	15,385	21,105	169	21,274	...
L.—Earth-work	77,205	...	77,205	1,10,109	...	1,10,109	1,87,314	...	1,87,314	...
O.—Miscellaneous	5,793	−3,956	1,837	9,505	−6,917	2,588	15,298	−10,873	4,425	...
TOTAL ...	1,52,123	7,709	1,59,832	1,85,532	−1,917	1,83,615	3,37,655	5,792	3,43,447	...
(3).—DISTRIBUTARIES—										
B.—Land	...	1,371	1,371	...	...	...	...	1,371	1,371	...
C.—Works	6,005	2,366	8,371	...	...	...	6,005	2,366	8,371	...
L.—Earth-work	13,100	3,684	16,784	...	...	...	13,100	3,684	16 784	...
O.—Miscellaneous	439	11,397	11,836	...	8,745	8,745	439	20,142	20,581	...
TOTAL ...	19,544	18,818	38,362	...	8,745	8,745	19,544	27,563	47,107	...
(4).—DRAINAGE AND PROTECTIVE WORKS—										
L.—Earth-work	5,801	...	5,801	...	...	...	5,801	...	5,801	...
TOTAL ...	5,801	...	5,801	...	...	...	5,801	...	5,801	...
TOTAL I.—WORKS ...	2,35,294	29,816	2,65,110	2,24,084	9,020	2,33,104	4,59,378	38,836	4,98,214	5,45,902
II.—ESTABLISHMENT.										
(5).—DIRECTION	10,822	1,416	12,238	7,952	448	8,400	18,774	1,864	20,638	1,07,829
(6).—EXECUTIVE	34,024	5,099	39,123	28,628	1,615	30,243	62,652	6,714	69,366	
(7).—MEDICAL	5,555	...	5,555	...	...	...	5,555	...	5,555	
LEAVE AND PENSION ALLOWANCES ...	...	...	...	5,122	289	5,411	5,122	289	5,411	7,170
TOTAL ...	50,401	6,515	56,916	41,702	2,352	44,054	92,103	8,867	1,00,970	1,14,999
III.—TOOLS AND PLANT.										
(12).—MISCELLANEOUS	7,102	425	7,527	2,386	135	2,521	9,488	560	10,048	...
TOTAL ...	7,102	425	7,527	2,386	135	2,521	9,488	560	10,048	7,032
GRAND TOTAL ...	2,92,797	36,756	3,29,553	2,68,172	11,507	2,79,679	5,60,969	48,263	6,09,232	6,67,933
V.—LESS RECEIPTS ON CAPITAL ACCOUNT	...	...	...	...	...	...	...	...	...	...
NET TOTAL ...	2,92,797	36,756	3,29,553	2,68,172	11,507	2,79,679	5,60,969	48,263	6,09,232	6,67,933

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Ghaggar Canal Project.

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.

RECEIPTS.	IMPERIAL.			CONTRIBUTION.			TOTAL.		
	Previous.	1901-1902.	Total.	Previous.	1901-1902.	Total.	Previous.	1901-1902.	Total.
Fines	300	...	300	...	...	...	300	...	300
Miscellaneous and other Receipts	105	...	105	...	...	...	105	...	105
TOTAL RECEIPTS ...	405	...	405	...	...	...	405	...	405

IRRIGATION BRANCH. PUNJAB PROVINCE.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Ghaggar Canal Project.

No. 3.—REVENUE ACCOUNT FOR AND TO END OF 1901-1902.

CHARGES.	IMPERIAL.			CONTRIBUTION.			TOTAL.		
	Previous.	1901-1902.	Total.	Previous.	1901-1902.	Total.	Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(I B).—MAINTENANCE & REPAIRS.									
(1).—HEAD WORKS—									
C.—Works	4,511	1,289	5,800	3,008	860	3 868	7,519	2,149	9,668
K.—Buildings	292	68	360	195	45	240	487	113	600
O.—Miscellaneous	...	103	103	...	69	69	...	172	172
(2).—MAIN CANAL & BRANCHES—									
C.—Works	160	884	1,044	300	221	521	460	1,105	1,565
K.—Buildings	690	155	845	2,046	568	2,614	2,736	723	3,459
L.—Earth-work	15,045	3,044	18,089	19,750	4,616	24,366	34,795	7,660	42,455
M.—Plantations	1,464	446	1,910	1,184	464	1,648	2,648	910	3,558
(3).—DISTRIBUTARIES—									
C.—Works	...	143	143	...	...	...	...	143	143
L.—Earth-work	2,646	611	3,257	...	...	...	2,646	611	3,257
(4).—DRAINAGE WORKS—									
L.—Earth-work	832	...	832	...	...	...	832	...	832
TOTAL ...	25,640	6,743	32,383	26,483	6,843	33,326	52,123	13,586	65,709
(I. C.)—COMPENSATION.	...	106	106	...	...	...	...	106	106
II.—ESTABLISHMENT.									
(5).—DIRECTION	2,737	2,314	5,051	1,323	342	1,665	4,060	2,656	6,716
(6).—EXECUTIVE	37,972	8,363	46,335	4,767	1,232	5,999	42,739	9,595	52,334
(7).—MEDICAL	1,655	270	1,925	...	...	...	1,655	270	1,925
(7A).—REVENUE	19,299	5,135	24,434	...	...	...	19,299	5,135	24,434
(7D).—LEAVE AND PENSION ALLOWANCES ...	...	...	...	852	220	1,072	852	220	1,072
TOTAL ...	61,663	16,082	77,745	6,942	1,794	8,736	68,605	17,876	86,481
III.—TOOLS AND PLANT.									
(12).—MISCELLANEOUS	−1,049	−664	−1,713	179	103	282	−870	−561	−1,431
(13).—REPAIRS AND CARRIAGE	2,007	163	2,170	218	...	218	2,225	163	2,388
TOTAL ...	958	−501	457	397	103	500	1,355	−398	957
IV.—REFUNDS OF REVENUE	100	...	100	...	...	...	100	...	100
TOTAL ...	88,361	22,430	1,10,791	33,822	8,740	42,562	1,22,183	31,170	1,53,353
Indirect Charges debitable to Revenue Account, as per Account No. 5	8,633	2,251	10,884	...	...	...	8,633	2,251	10,884
TOTAL CHARGES ...	96,994	24,681	1,21,675	33,822	8,740	42,562	1,30,816	33,421	1,64,237
Balance, Net Revenue ...	−96,589	−24,681	−1,21,270	−33,822	−8,740	−42,562	−1,30,411	−33,421	−1,63,832
GRAND TOTAL ...	405	...	405	...	...	...	405	...	405

IRRIGATION BRANCH.

PUNJAB PROVINCE

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Ghaggar Canal Project.

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

PARTICULARS.		Previous.	1901-1902.	Total.
CAPITAL—		Rs.	Rs.	Rs.
Capitalization of abatement of Land Revenue...		1,500	400	1,900
Leave and Pension Allowances ...	Imperial	7,056	912	7,968
	Contribution... ...	5,122	289	5,411
Total		13,678	1,601	15,279
Deduct—Leave and Pension Allowances debited to Bikaner State, treated as Direct Charge and transferred to Account No. 2 of the Canal ...		5,122	289	5,411
Net debitable to Imperial		8,556	1,312	9,868
REVENUE—				
Leave and Pension Allowances ...	Imperial	8,633	2,251	10,884
	Contribution... ...	852	220	1,072
Total		9,485	2,471	11,956
Deduct—Leave and Pension Allowances debited to Bikaner State, treated as Direct Charge and transferred to Account No. 3 of the Canal ...		852	220	1,072
Net debitable to Imperial		8,633	2,251	10,884
GRAND TOTAL		17,189	3,563	20,752

No. 6.—STATEMENT COMPARING CHARGES TO DATE WITH SANCTIONED ESTIMATE.

PARTICULARS.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total Charges to date against Old and Current Sanctions.	REMARKS.
	Expenditure against Construction Estimate.	Expenditure against Open Canal Sanctions.	Total.	Charges to date.	Amount of Sanctioned Estimate.	Unspent Balance of Estimate.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Revised Estimate sanctioned in Government of India letter No. 1268 C. W., dated 26th November 1900.
DIRECT CHARGES—								
Works	...	...	...	4,98,214	5,45,902	47,688	4,98,214	
Establishment ...	...	...	...	95,559	1,07,829	12,270	95,559	
Leave and Pension Allowances ...	...	...	...	5,411	7,170	1,759	5,411	
Tools and Plant ...	...	...	...	10,048	7,032	**—3,016**	10,048	
Total ...	...	...	...	6,09,232	6,67,933	58,701	6,09,232	
Net Total ...	...	...	...	6,09,232	6,67,933	58,701	6,09,232	
INDIRECT CHARGES—								
Capitalized abatement of Land Revenue ...	...	...	...	1,900	10,062	8,162	1,900	
Leave and Pension allowances ...	...	...	...	7,968	7,926	**—42**	7,968	
Total ...	...	...	...	9,868	17,988	8,120	9,868	
GRAND TOTAL ...	...	...	...	6,19,100	6,85,921	66,821	6,19,100	

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Lower Bari Doab Survey Project.

No. 2.—CAPITAL ACCOUNT FOR AND TO END OF 1901-1902.

HEADS OF ACCOUNT.	DIRECT CHARGES.			Cost of Construction as now estimated.
	Previous.	1901-1902.	Total.	
I.—WORKS.	Rs.	Rs.	Rs.	Rs.
(2).—MAIN CANAL AND BRANCHES—				
A.—Preliminary Expenses	24,656	36,346	61,002	1,12,707
TOTAL ...	24,656	36,346	61,002	1,12,707
TOTAL I.—WORKS ...	24,656	36,346	61,002	1,12,707
II.—ESTABLISHMENT.				
(5).—DIRECTION	1,233	1,817	3,050	5,635
(8).—SPECIAL SURVEY	25,639	26,391	52,030	40,104
TOTAL ...	26,872	28,208	55,080	45,739
III.—TOOLS AND PLANT.				
(12).—MISCELLANEOUS	16,769	1,278	18,047	...
(13).—REPAIRS AND CARRIAGE	1,360	1,112	2,472	...
TOTAL ...	18,129	2,390	20,519	21,361
IV.—SUSPENSE ACCOUNTS.				
(14).—STOCK	...	29	29	...
(16).—MISCELLANEOUS ADVANCES	151	**—151**	...	...
TOTAL ...	151	**—122**	29	...
GRAND TOTAL ...	69,808	66,822	1,36,630	1,79,807
V.—LESS RECEIPTS ON CAPITAL ACCOUNT	...	17	17	...
NET TOTAL ...	69,808	66,805	1,36,613	1,79,807

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1901-1902.

Lower Bari Doab Survey Project.

No. 5.—ACCOUNT OF INDIRECT CHARGES FOR AND TO END OF 1901-1902.

PARTICULARS.	Previous.	1901-1902.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
Leave and Pension Allowances	3,762	3,949	7,711
Total ...	3,762	3,949	7,711
GRAND TOTAL ...	3,762	3,949	7,711

No. 6—STATEMENT COMPARING CHARGES TO DATE WITH SANCTIONED ESTIMATE.

PARTICULARS.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total Charges to date against Old and Current Sanctions.	REMARKS.
	Expenditure against Construction Estimate.	Expenditure against Open Canal Sanctions.	Total.	Charges to date.	Amount of Sanctioned Estimate.	Unspent Balance of Estimate.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
DIRECT CHARGES—								(a). Estimate for Rs. 1,79,807 sanctioned in Government of India P. W. D., letter No. 945 C. W. I., dated 31st August 1900.
Works	...	...	...	61,002	1,12,707	51,705	61,002	
Establishment ...	...	...	...	55,080	45,739	**—9,341**	55,080	
Tools and Plant ...	...	...	...	20,519	21,361	842	20,519	
Suspense Balances ...	...	...	...	29	...	**—29**	29	
Total ...	...	...	...	1,36,630	1,79,807	43,177	1,36,630	
Less Receipts on Capital Account...	...	...	...	17	...	**—17**	17	
Net Total ...	...	...	...	1,36,613	1,79,807	43,194	1,36,613	
INDIRECT CHARGES—								
Leave and Pension Allowances ...	...	...	...	7,711	...	**—7,711**	7,711	
Total ...	...	...	...	7,711	...	**—7,711**	7,711	
GRAND TOTAL ...	...	...	...	1,44,324	(a) 1,79,807	35,483	1,44,324	

LAHORE :
The 7th August 1902.

PREMNATH PANDIT,
Examiner, P. W. Accounts, Punjab.

GOVERNMENT OF THE PUNJAB

PUBLIC WORKS DEPARTMENT.

IRRIGATION BRANCH.

STATISTICAL STATEMENTS FOR THE YEAR 1901-1902.

TABLE OF CONTENTS.

I

STATEMENT OF CANALS

	MAJOR IRRIGATION WORKS.					
	Western Jumna Canal including Sirsa Branch, British and Patiála.	Bári Doáb Canal.	Sirhind Canal. British.	Sirhind Canal. Patiála, Nábha and Jínd States.	Chenáb Canal.	Jhelum Canal.
1	2	3	4	5	6	7
Source of supply—	Jumna.	Rávi.	Sutlej.		Chenáb.	Jhelum.
Minimum discharge of river. Ever recorded, cubic feet per second.	1,350	1,272	2,818		3,884	4,772
Minimum discharge of river. During year „ „	2,461	1,334	3,343		3,267	4,772
Maximum discharge of Canal. As designed „ „	6,178	5,000	3,840	2,160	8,313	3,800
Maximum discharge of Canal. Now authorised „ „	6,380	6,500	5,120	2,880	10,730	3,800
Maximum discharge of Canal. During year „ „	5,410	6,231	8,056		10,717	835
Average annual rainfall ... ... Inches	(g) 15·6	(g) 32·8	(f) 13·47 to 18·96	18·59	(d) 11·49	(a) 3·30
Gross area commanded ... ... Acres	2,516,698	1,641,660	2,604,042	1,954,560	3,160,830	1,139,500
Culturable area commanded ... ... „	2,080,108	1,479,257	2,456,410	1,629,000	2,905,635	968,577
Area irrigable ... By complete report „	797,010	887,500	750,000	420,000	1,608,808	611,972
Area irrigable ... At present ... ... „	797,018	849,074	750,000	420,600	1,499,470	120,137
Sanctioned Estimate— Direct charges ... ... Rs.	1,75,65,198	1,85,53,198	2,32,89,282	1,40,79,604	260,96,043	1,21,69,085
Indirect charges ... ... „	7,65,470	6,81,293	11,90,464	...	6,22,539	3,57,591
Interest during construction ... ... „	1,45,71,919	2,46,21,892	2,11,78,995	...	84,69,033	15,10,452
Total Estimate ... „	3,29,02,587	4,38,56,383	4,56,58,741	1,40,79,604	3,51,87,615	1,40,37,128
Expenditure to end of 1901-02. Direct charges ... „	1,64,22,091	1,84,57,373	2,32,92,835	1,40,77,457	2,59,11,448	92,65,783
Expenditure to end of 1901-02. Indirect charges ... „	11,38,739	6,75,720	11,91,989	...	6,43,965	1,97,270
Expenditure to end of 1901-02. Interest during construction. „	1,45,71,919	2,64,21,892	2,11,78,995	...	84,69,033	6,18,850
Total Expenditure ... „	3,21,32,749	4,55,54,984	4,56,63,819	1,40,77,457	3,50,24,446	1,00,81,903
Works as now sanctioned— Main Canals, irrigation ... ... Miles	83	30	39		40	39
Branch Canals ... ... „	260	323	280	219	386	74
Branch Feeder Canals ... ... „	...	*16	...	...	...	...
Lower Chautang Nala Canal ... ... „	4	...	...	...	...	...
Distributaries, irrigation ... ... „	1,773	1,606	2,725	1,918	2,205	484
Lower Chautang Nala Canal Distributaries „	51	...	...	...	...	...
Of above— Navigable channels ... ... „	218	...	143	46	...	...
Works completed to end of 1901-02— Main Canals, irrigation ... ... „	83	30	39		40	39
Branch Canals ... ... „	260	323	280	219	386	54
Branch Feeder Canals ... ... „	...	*16	...	...	...	...
Lower Chautang Nala Canal ... ... „	4	...	...	...	...	...
Distributaries, irrigation ... ... „	1,773	1,391	2,725	1,918	2,076	210
Lower Chautang Nala Canal Distributaries „	45	...	...	...	...	...
Of above— Navigable channels ... ... „	218	...	143	46	...	...
	2983	1760	3187	2183	2502	303

NOTE.—Miles shown in this statement

*Salámpur and

(a) Average rainfall for the last 1 year.
(b) Do. do. 3 years.
(c) Do. do. 9 do.
(d) Do. do. 12 do.

A.

IN THE PUNJAB.

		MINOR IRRIGATION WORKS.								
Lower Sohág and Pára Canal.	Sidhnai Canal.	Upper Sutlej Inundation Canals.	Lower Sutlej Inundation Canals.	Chenáb Inundation Canals.	Indus Inundation Canals.	Shahpur (Imperial) Inundation Canals.	Shahpur (Provincial) Inundation Canals.	Muzaffargarh Inundation Canals.	Ghaggar Inundation Canals. British.	Ghaggar Inundation Canals. Bikaner State.
8	9	10	11	12	13	14	15	16	17	18
Sutlej.	Rávi.	Sutlej.	Sutlej.	Chenáb.	Indus.	Jhelum.	Jhelum.	Chenáb and Indus.	Ghaggar.	
2,650	The river runs dry.	2,650	3,452	6,537	9,439	4,772	4,772	15,967	The river runs dry.	
2,650		2,650	Not recorded.	4,508	18,745	4,772	4,772	23,178		
1,420	2,120	3,515	5,555	5,163	Not known	1,100	933	Not known.	1,000	500
...	2,385	...	...	...	...	...	...	...	1,100	600
3,170	2,389	3,850	5,470	5,063	6,343	1,035	726	6,525	603	336
(c) 6·31	(e) 5·99	(c) 12·04	(h) 6·66	...	(h) 6·48	(d) 12·54	(d) 14·67	(g) 5·12	(b) 6·4	(b) 6·5
207,983	381,000	606,821	918,208	462,477	633,867	67,067	60,928	676,300	83,268	75,000
201,206	344,000	566,548	905,152	434,848	300,000	62,954	53,255	642,293	64,683	66,000
102,014	194,900	247,683	271,545	130,455	225,000	47,750	30,000	334,000	40,000	30,000
86,309	194,900	247,683	271,545	130,455	225,000	42,000	27,000	318,225	34,000	22,500
7,65,933	12,48,438	7,83,602	...	...	7,07,556	2,01,706	...	...	3,50,686	3,17,247
27,476	39,378	67,615	...	...	19,729	9,872	...	...	17,988	...
4,43,393	6,45,320	...	...	...	...	...	...	...	...	...
12,36,802	19,33,136	8,51,217	...	...	7,27,285	2,11,578	...	...	3,68,674	3,17,247
7,38,008	12,40,100	7,78,894	...	...	7,05,709	2,01,706	...	...	3,29,553	2,79,679
28,347	39,557	67,797	...	...	20,189	9,872	...	...	9,868	...
4,43,393	6,45,320	...	...	...	...	...	...	...	...	...
12,09,748	19,24,977	8,46,691	...	...	7,25,898	2,11,578	...	...	3,39,421	2,79,679
41	68	224	391	246	716	63	70	883	44	51
58	...	...	...	...	...	16	8	...	...	...
...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...
81	131	296	346	13	24	94	38	463	24	...
...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...
40	68	224	391	246	716	63	70	883	44	51
58	...	...	...	...	...	16	8	...	...	...
...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...
54	131	289	346	13	24	94	38	463	24	...
...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...
152	199	513	737	259	740	173	116	1346	68	51

are Canal miles of 5,000 feet.

Farídnagar Channels.

(e) Average rainfall for the last 13 years.
(f) Do. do. 18 do.
(g) Do. do. 23 do.
(h) Do. do. 35 do.

I B.

CAPITAL ACCOUNT OF IRRIGATION WORKS IN THE PUNJAB FOR AND TO END OF 1901-02.

	Direct Charges (Net Expenditure).					Indirect charges exclusive of Interest.	Total Charges excluding Interest.	Simple Interest.
	Works.	Establishment.	Tools and Plant.	Suspense.	Total.			
1	2	3	4	5	6	7	8	9
MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
CAPITAL EXPENDITURE NOT CHARGED AGAINST REVENUE.								
Western Jumna Canal including Sirsa Branch.								
To end of previous year	1,27,44,692	32,40,659	2,12,281	1,42,599	1,63,40,231	7,94,801	1,71,35,032	1,39,16,918
During 1901-02	75,700	16,283	1,062	−11,185	81,860	5,405	87,265	6,55,001
Contribution to end of previous year ...	8,82,384	2,32,258	23,511	...	11,38,153	...	11,38,153	...
During 1901-02	459	120	7	...	586	...	586	...
Bari Doab Canal.								
To end of previous year	1,40,23,877	31,18,628	5,22,581	1,27,475	1,77,92,561	6,55,612	1,84,48,173	2,38,98,168
During 1901-02	3,83,753	75,775	69,708	1,35,575	6,64,811	20,108	6,84,919	7,23,724
Sirhind Canal.								
To end of previous year	1,65,75,710	44,65,596	21,07,145	1,31,867	2,32,80,318	11,90,189	2,44,70,507	2,02,47,838
During 1901-02	64,857	15,891	−19,655	−48,576	12,517	1,800	14,317	9,31,157
Contribution to end of previous year ...	95,45,262	33,30,856	12,06,042	...	1,40,82,160	...	1,40,82,160	...
During 1901-02	4,694	2,122	−11,519	...	−4,703	...	−4,703	...
Chenab Canal.								
To end of previous year	2,05,01,181	37,75,069	5,96,478	3,90,928	2,52,63,656	6,21,487	2,58,85,143	74,48,080
During 1901-02	5,46,336	1,23,233	−24,611	2,834	6,47,792	22,478	6,70,270	10,20,953
Lower Sohag and Para Canal.								
To end of previous year	5,27,689	1,55,802	7,091	15,767	7,06,349	27,701	7,34,050	4,14,569
During 1901-02	20,057	4,613	301	6,688	31,659	646	32,305	28,824
Sidhnai Canal.								
To end of previous year	9,10,652	2,57,456	37,591	19,215	12,24,914	39,277	12,64,191	5,96,096
During 1901-02	8,251	1,818	119	4,998	15,186	280	15,466	49,224
Jhelum Canal.								
To end of previous year	52,31,556	7,61,305	3,37,511	5,16,517	68,46,889	1,49,358	69,96,247	3,08,192
During 1901-02	20,74,979	3,36,873	18,625	−11,583	24,18,894	47,912	24,66,806	3,10,658
Total Capital Expenditure on Irrigation Works not charged against Revenue.								
Imperial ... { To end of previous year...	7,05,15,357	1,57,74,515	38,20,678	13,44,368	9,14,54,918	34,78,425	9,49,33,343	6,68,29,861
Imperial ... { During 1901-02	31,73,933	5,74,486	45,549	78,751	38,72,719	98,629	39,71,348	37,19,541
Contribution { To end of previous year...	1,04,27,646	35,63,114	12,29,553	...	1,52,20,313	...	1,52,20,313	...
Contribution { During 1901-02	5,153	2,242	−11,512	...	−4,117	...	−4,117	...
MINOR WORKS AND NAVIGATION.								
Lower Bari Doab Canal.								
To end of previous year	24,656	26,872	18,129	151	69,868	3,762	73,570	...
During 1901-02	36,329	28,208	2,390	−122	66,805	3,949	70,754	...
Upper Sutlej Inundation Canals.								
To end of previous year	6,55,696	1,01,170	14,981	...	7,71,847	66,215	8,38,062	...
During 1901-02	5,660	1,302	85	...	7,047	1,582	8,629	...
Indus Inundation Canals.								
To end of previous year	6,00,032	87,204	670	...	6,87,906	19,729	7,07,635	...
During 1901-02	14,300	3,289	214	...	17,803	460	18,263	...
Shahpur (Imperial) Canals.								
To end of previous year	1,71,665	29,479	562	3,829	2,05,535	9,872	2,15,407	...
During 1901-02	...	...	...	−3,829	−3,829	...	−3,829	...
Ghaggar Canals.								
Imperial .. { To end of previous year...	2,35,294	50,401	7,102	...	2,92,797	8,556	3,01,353	...
Imperial .. { During 1901-02	29,816	6,515	425	...	36,756	1 312	38,068	...
Contribution { To end of previous year...	2,24,084	41,702	2,386	...	2,68,172	...	2,68,172	...
Contribution { During 1901-02	9,020	2,352	135	...	11,507	...	11,507	...
Total.								
Imperial ... { To end of previous year...	16,87,343	2,95,126	41,444	3,980	20,27,893	1,08,134	21,36,027	...
Imperial ... { During 1901-02	86,105	39,314	3,114	−3,951	1,24,582	7,303	1,31,885	...
Contribution { To end of previous year...	2,24,084	41,702	2,386	...	2,68,172	...	2,68,172	...
Contribution { During 1901-02	9,020	2,352	135	...	11,507	...	11,507	...

I C.

STATEMENT SHOWING FINANCIAL RESULTS OF IRRIGATION WORKS IN THE PUNJAB FOR THE YEAR ENDING 31ST MARCH 1902.

STATEMENT SHOWING FINANCIAL RESULTS OF IRRIGATION

REALIZATION UNDER MAIN HEADS OF

IRRIGATION.	REVENUE ACTUAL RECEIPT.										
	IRRIGATION.										
	Water-rates directly paid.	Share of land revenue and sale-proceeds of waste or other land benefitted.	Owner's rate.	Total.	Navigation.	Plantations.	Water power.	Miscellaneous.	Total.	Refunds of revenue.	Gross revenue less refunds.
1	2	3	4	5	6	7	8	9	10	11	12
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
PRODUCTIVE WORKS.											
Western Jumna Canal including Sirsa Branch	14,56,536	...	6,30,136	20,86,672	65,530	9,170	6,430	17,002	21,84,804	9,529	21,75,27
Ditto Contribution	...	...	...	...	...	12	133	837	982	...	98
Bári Doáb Canal	26,81,469	2,36,603	...	29,18,072	...	22,311	1,09,789	38,826	30,88,998	1,634	30,87,36
Sirhind Canal	21,35,958	...	...	21,35,958	4,761	4,867	56,767	1,13,463	23,15,816	2,745	23,13,07
Ditto Contribution	...	...	...	...	2,456	4,722	28,056	8,199	43,433	378	43,05
Chenáb Canal	52,77,515	10,46,645	4,177	63,28,337	...	605	17,117	48,453	63,94,512	3,925	63,90,58
Lower Soḥág and Pára Canal	91,583	79,803	...	1,71,386	...	1	...	2,017	1,73,404	42	1,73,36
Sidhnai Canal	3,82,112	1,11,316	...	4,93,428	...	5	...	2,121	4,95,554	15	4,95,53
Jhelum Canal	...	...	...	...	...	...	...	...	...	...	...
TOTAL CANALS IN OPERATION { Imperial ...	1,20,25,173	14,74,367	6,34,313	1,41,33,853	70,291	36,959	1,90,103	2,21,882	1,46,53,088	17,890	1,46,35,19
TOTAL CANALS IN OPERATION { Contribution ...	...	...	...	...	2,456	4,734	28,189	9,036	44,415	378	44,03
MINOR WORKS.											
CANALS IN OPERATION FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.											
Upper Sutlej Inundation Canals	3,75,332	1,99,923	...	5,75,255	...	1,328	...	12,830	5,89,413	321	5,89,092
Indus Inundation Canals	94,003	2,60,199	...	3,54,202	...	2,770	...	986	3,57,958	7	3,57,951
Sháhpur ditto (Imperial)	88,575	16,626	...	1,05,201	...	657	...	188	1,06,046	50	1,05,99
Ghaggar Canals (Imperial)	...	...	...	...	...	...	...	...	...	...	...
Ditto Contribution	...	...	...	...	...	...	...	...	...	...	...
TOTAL ... { Imperial	5,57,910	4,76,748	...	10,34,658	...	4,755	...	14,004	10,53,417	378	10,53,039
TOTAL ... { Contribution ...	...	...	...	...	...	...	...	...	...	...	...
CANALS IN OPERATION FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.											
Lower Sutlej Inundation Canals	31,242	1,74,260	...	2,05,502	...	25	...	1,66,035	3,71,562	113	3,71,449
Muzaffargarh ditto	...	2,67,530	...	2,67,530	...	...	...	2.07,994	4,75,524	4	4,75,520
Chenáb ditto	1,55,971	1,60,766	...	3,16,737	...	2,843	...	9,008	3,28,588	1,194	3,27,394
Total	1,87,213	6,02,556	...	7,89,769	...	2,868	...	3,83,037	11,75,674	1,311	11,74,363
PROVINCIAL.											
Sháhpur Inundation Canals	50,342	8,743	...	59,085	...	534	...	220	59,839	...	59,839

C.

ORKS IN THE PUNJAB FOR THE YEAR ENDING 31ST MARCH 1902.

EVENUE AND WORKING EXPENSES.

WORKING EXPENSES.																	Grand Total Working Expenses.	Net Revenue.
REVENUE MANAGEMENT.					MAINTENANCE OF WORKS.										Total direct charges.	Indirect charges.		
Establishment.					Establishment.													
Direction.	Executive.	Navigation.	Civil Officer.	Total.	Direction.	Executive.	Medical.	Total.	Works.	Repairs.	Sundries.	Tools and Plant.	Plantations.	Total cost of Maintenance.				
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
23,010	2,63,260	715	30,499	3,17,484	9,598	61,720	...	71,318	81,183	3,47,790	3,235	11,161	23,475	5,38,162	8,55,646	55,857	9,11,503	12,03,772
48	8,473	...	...	8,521	3,229	16,638	...	19,867	1,452	29,899	1	344	1,885	53,448	61,969	...	61,969	—60,987
29,842	1,87,702	...	76,628	2,94,172	6,157	21,372	514	28,043	76,726	4,07,557	1,066	16,506	15,207	5,45,105	8,39,277	47,885	8,87,162	22,00,202
24,972	2,29,571	650	64,835	3,20,028	8,689	41,660	5,522	55,871	39,302	3,47,102	255	11,984	16,226	4,70,740	7,90,768	52,626	8,43,394	14,69,677
1,771	10,744	...	...	12,515	10,273	59,864	2,140	72,277	90,775	1,09,382	488	3,289	8,695	2,84,906	2,97,421	...	2,97,421	—2,54,366
48,983	4,05,208	...	1,46,598	6,00,789	10,927	48,173	14,083	73,183	88,331	4,65,994	516	12,408	41,682	6,82,114	12,82,903	94,931	13,77,834	50,12,753
1,874	18,926	...	2,197	22,997	3,269	11,649	...	14,918	7,524	70,434	...	115	3,720	96,711	1,19,708	5,308	1,25,016	48,346
2,704	36,711	...	4,966	44,381	1,668	7,793	823	10,284	47,655	66,569	...	1,183	4,285	1,29.976	1,74,357	7,653	1,82,010	3,13,529
...	...	...	...	...	215	12,853	...	13,068	...	5,361	...	1,617	...	20,046	20,046	1,830	21,876	—21,876
1,31,385	11,41,378	1,365	3,25,723	15,99,851	40,523	2,05,220	20,942	2,66,685	3,40,721	17,10,807	5,072	54,974	1,04.595	24,82,854	40,82,705	2,66,090	43,48,795	1,02,86,403
1,819	19,217	...	...	21,036	13,502	76,502	2,140	92,144	92,227	1,39,281	489	3.633	10,580	3,38,354	3,59,390	...	3,59,390	—3,15,353
5,296	36,129	...	7,660	49,085	3,961	12,692	911	17,564	18,403	1,22,576	193	1,666	4,458	1,64,860	2,13,945	9,406	2,23,351	3,65,741
2,948	22,081	...	2,278	27,307	8,108	35,355	...	43,463	50,739	81,796	748	1,255	1,902	1,79,903	2,07,210	10,383	2,17,593	1,40,358
1,479	16,078	...	2,223	19,780	835	4,895	...	5,730	7,333	17,610	...	281	320	31,274	51,054	3,571	54,625	51,371
...	...	...	...	...	2,314	13,498	270	16,082	...	6,297	106	—501	446	22,430	22,430	2,251	24,681	—24,681
...	...	...	...	...	390	1,404	...	1,794	...	6,379	...	103	464	8,740	8,740	...	8,740	—8,740
9,723	74,288	...	12,161	96,172	15,218	66,440	1,181	82,839	76,475	2,28,279	1,047	2,701	7,126	3,98,467	4,94,639	25,611	5,20,250	5,32,789
...	...	...	...	...	390	1,404	...	1,794	...	6,379	...	103	464	8,740	8,740	...	8,740	—8,740
801	7,516	...	2,281	10,598	9,998	30,152	811	40,961	43,607	39,970	1,24,842	1,331	2,413	2,53,124	2,63,722	7,043	2,70,765	1,00,684
56	13,677	...	2,299	16,032	20,257	34,531	...	54,788	25,501	48,546	1,44,740	717	1,519	2,75,811	2,91,843	9,888	3,01,731	1,73,789
2,467	4,725	...	5,266	12,458	7,047	28,540	...	35,587	58,787	1,69,130	...	1,201	2,402	2,67,107	2,79,565	6,784	2,86,349	41,045
3,324	25,918	...	9,846	39,088	37,302	93,223	811	1,31,336	1,27,895	2,57,646	2,69,582	3,240	6,334	7,96,042	8,35,130	23,715	8,58,845	3,15,518
926	11,991	...	1,325	14,242	874	5,487	...	6,361	4,950	19,119	...	234	55	30,719	44,961	2,884	47,845	11,994

II C.

STATEMENT SHOWING THE FINANCIAL RESULTS OF THE IRRIGATION WORKS IN THE PUNJAB FOR THE YEAR ENDING 1901-02 BASED ON ACTUAL RECEIPTS.

PRINCIPAL RESULTS OF OPERATIONS FOR THE YEAR ENDING 31ST MARCH 1902.

Irrigation Works.	Direct and Indirect Capital outlay to end of 1901-02.	Gross Receipts, Direct and Indirect, from all sources.	Working Expenses, Direct and Indirect.	Net Revenue excluding charges of Interest.	Percentages of net Revenue on Capital outlay to end of the year.	Interest at 4 per cent. on Direct Capital outlay to end of 31st March 1900 and 3½ per cent. for 1900-01 and Rs. 1-14-0 per cent. on outlay during year.	Surplus Revenue after paying Interest on Direct Capital Outlay. Amount.	Surplus Revenue after paying Interest on Direct Capital Outlay. Percentage on total sum at charge.	Excess Charge, including Interest on Direct Capital Outlay. Amount.	Excess Charge, including Interest on Direct Capital Outlay. Percentage on total sum at charge.
1	2	3	4	5	6	7	8	9	10	11
MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
PRODUCTIVE WORKS.										
Western Jumna Canal, including Sirsa Branch	1,72,22,297	21,75,275	9,11,503	12,63,772	7·34	6,55,001	6,08,771	...	...	...
Ditto Contribution ...	11,38,739	982	61,969	−60,987	−5·36	...	...	...	60,987	...
Bári Doáb Canal	1,91,33,092	30,87,364	8,87,162	22,00,202	11·50	7,23,724	14,76,478	30·11	...	...
Sirhind Canal	2,44,84,824	23,13,071	8,43,394	14,69,677	6·00	9,31,157	5,38,520	2·04	...	...
Ditto Contribution	1,40,77,457	43,055	2,97,421	−2,54,366	−1·81	...	...	...	2,54,366	...
Chenáb Canal	2,65,55,413	63,90,587	13,77,834	50,12,753	18·88	10,20,953	39,91,800	17·94	...	...
Lower Sohág and Para Canal ...	7,66,355	1,73,362	1,25,016	48,346	6·31	28,824	19,522	2·82	...	...
Sidhnai Canal	12,79,657	4,95,539	1,82,010	3,13,529	24·50	49,224	2,64,305	...	...	...
Jhelum Canal	94,63,053	...	21,876	−21,876	−0·23	3,10,658	...	...	3,32,534	3·43
GRAND TOTAL ... Imperial ...	9,89,04,691	1,46,35,198	43,48,795	1,02,86,403	10·40	37,19,541	68,99,396	...	3,32,534	...
GRAND TOTAL ... Contribution ...	1,52,16,196	44,037	3,59,390	−3,15,353	−2·07	...	65,66,862	14·75	3,15,853	...
MINOR WORKS.										
CANALS IN OPERATION FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.										
Upper Sutlej Inundation Canals ...	8,46,691	5,89,092	2,23,351	3,65,741	43·20	...	...	...	...	...
Indus Inundation Canals	7,25,898	3,57,951	2,17,593	1,40,358	19·34	...	...	...	...	..
Shahpur (Imperial) Canals	2,11,578	1,05,996	54,625	51,371	24·28	...	...	...	...	...
Ghaggar Canals Imperial	3,39,421	...	24,681	−24,681	−7·27	...	...	...	...	...
Ditto Contribution... ...	2,79,679	...	8,740	−8,740	−3·13	...	...	...	...	...
Total ... Imperial ...	21,23,588	10,53,039	5,20,250	5,32,789	26·1	...	...	...	...	...
Total ... Contribution ...	2,79,679	...	8,740	−8,740	−3·13	...	...	...	...	...
CANALS UNDER CONSTRUCTION.										
Lower Bári Doáb Canal	1,44,324	...	...	...	...	...	...	...	...	...
CANALS IN OPERATION FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.										
Muzaffargarh Canals	...	4,75,520	3,01,731	1,73,789	...	...	...	...	...	...
Lower Sutlej Inundation Canals ...	...	3,71,449	2,70,765	1,00,684	...	...	...	...	...	...
Chenab Inundation Canals	...	3,27,394	2,86,349	41,045	...	...	...	...	...	...
Total	...	11,74,363	8,58,845	3,15,518	...	...	...	...	...	...
PROVINCIAL.										
Shahpur Inundation Canals	...	59,839	47,845	11,994	...	...	...	...	...	...

III C.

STATEMENT OF DEMANDS AND REALIZATIONS DURING THE YEAR 1901-02 IN THE PUNJAB.

	Balance of demands unrealized at the commencement of year.	Demands during the year.	Total.	Deduct remissions not including cash refunds.	Net totals.	Actual Receipts.	Amount unrealized at close of the year.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
XXIX.—Major Works Direct Receipts.							
Western Jumna Canal	2,78,890	11,90,647	14,69,537	5,431	14,64,106	14,56,536	7,570
Bári Doáb Canal	40,741	26,89,555	27,30,296	14,679	27,15,617	26,81,469	34,148
Sirhind Canal	6,18,984	16,99,202	23,18,186	34,391	22,83,795	21,35,958	1,47,837
Chenáb Canal	99,121	66,21,295	67,20,416	12,39,151	54,81,265	52,77,515	2,03,750
Lower Sohág and Pára Canal...	25,104	86,001	1,11,105	13,998	97,107	91,583	5,524
Sidhnai Canal	4,686	3,84,080	3,88,766	9	3,88,757	3,82,112	6,645
Total ...	10,67,526	1,26,70,780	1,37,38,306	13,07,659	1,24,30,647	1,20,25,173	4,05,474
XXX.—Minor Works and Navigation, Imperial.							
Upper Sutlej Inundation Canals	1,00,516	3,30,274	4,30,790	35,492	3,95,298	3,75,332	19,966
Lower Sutlej ditto	9,256	22,400	31,656	99	31,557	31,242	315
Indus ditto	11,979	84,175	96,154	...	96,154	94,003	2,151
Shahpur (Imperial) Canals ...	11,376	80,120	91,496	252	91,244	88,575	2,669
Chenáb Inundation Canals ...	21,673	1,43,937	1,65,610	4,017	1,61,593	1,55,971	5,622
Total ...	1,54,800	6,60,906	8,15,706	39,860	7,75,846	7,45,123	30,723
XXX.—Minor Works and Navigation, Provincial.							
Shahpur (Provincial) Canals...	4,788	49,135	53,923	1,017	52,906	50,342	2,564
Grand Total ...	12,27,114	1,33,80,821	1,46,07,935	13,48,536	1,32,59,399	1,28,20,638	4,38,761

(a) Difference between the closing balance of 1900-01 and the opening balance of the year 1901-02 is due to alterations since made.

IV C.

STATEMENT SHOWING THE FINANCIAL RESULTS OF THE IRRIGATION WORKS IN THE PUNJAB FOR THE YEAR ENDING 1901-1902 BASED ON ASSESSMENTS OF THE YEAR.

PRINCIPAL RESULTS OF OPERATIONS FOR THE YEAR ENDED 31ST MARCH 1902.

IRRIGATION WORKS.	Capital outlay direct and indirect to end of year 1901-1902.	REVENUE ASSESSED DURING THE YEAR. — DIRECT ASSESSED RECEIPTS. — Occupier's rate.	Owner's rate.	Plantations.	Water power.	Navigation.	Miscellaneous.	Total.	Indirect Revenue.	Grand Total.	Working expenses Direct and Indirect.	Net assessed revenue of the year.	Percentage on Capital outlay to end of the year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
PRODUCTIVE WORKS.													
Western Jumna Canal including Sirsa Branch	1,72,22,297	15,13,659	6,63,979	9,170	6,430	65,530	17,002	22,75,770	...	22,75,770	9,11,503	13,64,267	7·92
Ditto Contribution...	11,38,739	1,40,930	...	12	133	...	837	1,41,912	...	1,41,912	61,969	79,943	7·02
Bári Doáb Canal	1,91,33,092	29,50,260	...	22,311	1,09,789	...	38,826	31,21,186	2,06,549	33,27,735	8,87,162	24,40,573	12·75
Sirhind Canal	2,44,84,824	24,01,735	...	4,867	56,767	4,761	1,13,463	25,81,593	...	25,81,593	8,43,394	17,38,199	7·10
Ditto Contribution	1,40,77,457	12,66,663	...	4,722	28,056	2,456	19,810	13,21,716	...	13,21,716	6,55,806	6,65,910	4·73
Chenáb Canal	2,65,55,413	58,99,489	5,024	605	17,117	...	48,453	59,70,688	9,15,409	68,86,097	13,77,834	55,08,263	20·74
Lower Sohág and Pára Canal ...	7,66,355	57,065	...	1	...	...	2,017	59,083	50,630	1,09,713	1,25,016	15,303	—1·99
Sidhnai Canal	12,79,657	2,69,232	...	5	...	...	2,121	2,71,358	40,164	3,11,522	1,82,010	1,29,512	10·12
GRAND TOTAL ... Imperial ...	8,94,41,638	1,30,91,440	6,69,003	36,959	1,90,103	70,291	2,21,882	1,42,79,678	12,12,752	1,54,92,430	43,26,919	1,11,65,511	12·48
GRAND TOTAL ... Contribution	1,52,16,196	14,07,593	...	4,734	28,189	2,456	20,656	14,63,628	...	14,63.628	7,17,775	7,45,853	4·90
MINOR WORKS.													
CANALS IN OPERATION FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.													
Upper Sutlej Inundation Canals ...	8,46,691	2,36,454	...	1,328	...	...	12,830	250,612	1,08,923	3,59,535	2,23,351	1,36,184	16·08
Indus Inundation Canals	7,25,898	84,427	...	2,770	...	...	985	88,182	2,60,199	3,48,381	2,17,593	1,30,788	18·01
Sháhpur (Imperial) Canals	1,29,578	57,722	...	657	...	...	188	58,567	11,482	70,049	54,625	15,424	11·90
Ghaggar Canals Imperial	3,39,421	...	...	...	...	...	...	...	...	...	24,681	—24,681	—7·27
Ditto Contribution ...	2,79,679	...	...	...	...	...	...	...	...	...	8,740	—8,740	—3·13
TOTAL ... Imperial	20,41,588	3,78,603	...	4,755	...	...	14,003	3,97,361	3,80,604	7,77,965	5,20,250	2,57,715	12·64
TOTAL ... Contribution ...	2,79,679	...	...	...	...	...	...	...	...	...	8,740	—8,740	—3·13
CANALS UNDER CONSTRUCTION.													
Lower Bari Doab Canal	1,44,324	...	...	...	...	...	...	...	...	...	...	...	...
CANALS IN OPERATION FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.													
Muzaffargarh Canals	...	...	...	...	...	...	2,07,990	2,07,990	2,67,530	4,75,520	3,01,731	1,73,789	...
Lower Sutlej Inundation Canals ...	...	14,990	...	25	...	...	1,66,035	1,81,050	1,74,260	3,55,310	2,70,765	84,545	...
Chenáb Inundation Canals	...	1,48,112	...	2,843	...	...	9,008	1,59,963	1,60,766	3,20,729	2,86,349	34,380	...
Total	...	1,63,102	...	2,868	...	...	3,83,033	5,49,003	6,02,556	11,51,559	8,58,845	2,92,714	...
Provincial.													
WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.													
Sháhpur (Provincial) Canals ...	...	36,158	...	534	...	...	220	36,912	7,225	44,137	47,845	—3,708	...

I D.

STATEMENT OF TRAFFIC ON CANALS IN THE PUNJAB DURING THE YEAR 1901-1902.

		Western Jumna Canal.	Sirhind Canal.
Length of channel open for navigation	Miles	243	189
Receipts—			
Tollage on private boats	Rs.	2,778	2,128
„ Government boats	„	...	43
„ rafts	„	62,752	4,802
Carrying operations or transport service—			
Hire of Government boats	„	...	244
Refunds of Revenue	„	−165	−197
Total receipts	„	65,365	7,020
Maintenance charges, including special Navigation Establishment	„	5,846	7,627
Net Revenue of year	„	59,519	−607
Total number of boats plying cargo		56	39
„ „ „ passengers		...	26
Total registered tonnage, cargo		1,331	783
„ „ passengers		...	79
Ton mileage Up (a)		...	...
„ Down		...	...
Total		...	...
Estimated value of cargoes, Up (a)	Rs.	...	...
„ „ „ Down	„	...	...
Total	„	...	...
Number of passengers		...	16,360
Rafts Up	C. ft.	...	...
„ Down	„	2,213,053	2,84,012
Total	„	2,213,053	2,84,012
Estimated value of rafts	Rs.	19,26,145	1,99,197
Tollage or boat per ton per mile (a)	Pies	...	...
„ rafts per 100 c. ft.	Rs.	2·90	1·69

(a) Details of boat traffic are not recorded (Government of India, Public Works Department, No. 781, dated 22nd April 1892).

II D.

DESCRIPTION AND QUANTITIES OF RAFT TRAFFIC ON CANALS IN THE PUNJAB DURING THE YEAR 1901-1902.

	WESTERN JUMNA CANAL.						SIRHIND CANAL.						TOTAL.					
	TOTAL.				PRIVATE.		TOTAL.				PRIVATE.		TOTAL.				PRIVATE.	
	Quantity in Tons.			Value.	Quantity.	Value.	Quantity in tons.			Value.	Quantity.	Value.	Quantity in Tons.			Value.	Quantity.	Value.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
RAFT.	Up.	Down.	Total.	Rs.	Tons.	Rs.	Up.	Down.	Total.	Rs.	Tons.	Rs.	Up.	Down.	Total.	Rs.	Tons.	Rs.
Timber in logs, round and squared ...	...	25	25	1,478	25	1,478	...	1,664	1,664	80,775	118	5,303	...	1,689	1,689	82,253	143	6,781
Sleepers, broad gauge	...	401	401	28,086	401	28,086	...	2,425	2,425	90,939	763	28,611	...	2,826	2,826	1,19,025	1,164	56,697
" metre "	...	14,057	14,057	5,27,032	14,057	5,27,032	...	739	739	19,398	243	6,379	...	14,796	14,796	5,46,430	14.300	5,33,411
Scantlings	...	17,371	17,371	4,55,992	17.371	4,55,992	...	125	125	7,485	53	3,180	...	17,496	17,496	4,63,477	17,424	4,59,172
Bamboos and reeds	...	17,236	17,236	9,13,554	17,236	9,13,554	...	40	40	600	13	195	...	17,276	17,276	9,14,154	17,249	9,13,749
Firewood	...	1	1	3	1	3	...	...	...	...	...	...	...	1	1	3	1	3
Total ..	...	49,091	49,091	19,26,145	49.091	19,26,145	...	4,993	4,993	1,99,197	1,190	43,668	...	54,084	54,084	21,25,342	50,281	19,69,813

I E.

STATEMENT OF AREAS IRRIGATED BY IRRIGATION WORKS IN THE PUNJAB DURING THE YEAR 1901-02.

NAMES OF CANALS.	AREA IRRIGATED IN ACRES.							AVERAGE DISCHARGE PER CUBIC FOOT PER SECOND.				ACRES IRRIGATED PER CUBIC FOOT PER SECOND.				BASE USED IN CALCULATING AVERAGE DISCHARGE.	
	Kharíf.	Rabi.	Total.	Flow.	Lift.	DOUBLE CROPPED.		AT HEAD.		UTILIZED.		DISCHARGE AT HEAD.		UTILIZED.		NUMBER OF DAYS CANAL WAS IN FLOW.	
						Area irrigated.	Percentage of total area.	Kharíf.	Rabi.	Kharíf.	Rabi.	Kharíf.	Rabi.	Kharíf.	Rabi.	Kharíf.	Rabi.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Major Irrigation Works.																	
Western Jumna Canal (including Sirsa *Branch*, British and Patiála).	267,930	322,025	589,955	569,799	20,156	35,728	6·0	4,461	2,810	4,200	2,801	60	115	64	115	181	182
Bári Doáb Canal	375,247	480,794	856,041	827,276	28,765	167,457	19·56	4,796	2,186	4,382	2,176	78	220	86	221	182	182
Sirhind Canal (British)	175,393	553,515	728,908	716,934	11,974	102,815	14·11	3,426	3,141	3,212	3,119	51	176	55	177	147	182
Do. (Native States) ...	86,121	255,432	341,553	335,649	5,904	...	...	1,802	1,727	1,692	1,676	48	148	51	152	147	182
Chenáb Canal	666,108	1,082,021	1,748,129	1,732,551	15,578	36,381	2·1	8,459	6,293	8,018	6,009	79	172	83	180	175	182
Lower Soház and Pára Canal ...	29,362	18,391	47,753	46,035	1,718	588	1·2	Whole year. 907		Whole year. 907		Whole year. 53		Whole year. 53		Whole year. 145	
Sidhnai Canal	73,954	40,178	114,132	112,321	1,811	496	0·44	1,001		1,001		114		114		143	
Minor Irrigation Works.																	
Upper Sutlej Canals...	103,997	66,852	170,849	166,841	4,008	2,347	1·4	3,141		3,141		54		54		174	
Lower Sutlej Inundation Canals ...	86,046	77,729	163,775	...	...	...	...	2,184		2,184		75		75		168	
Chenáb Inundation Canals	57,200	57,417	114,617	106,892	7,725	918	0·81	1,849		1,849		62		62		147	
Indus Canals	104,984	69,236	174,220	159,004	15,216	...	...	2,125		2,125		82		82		157	
Shahpur (Imperial) Canals	6,135	17,655	23,790	23,705	85	2,453	10·0	274		274		87		87		166	
Do. (Provincial) do.	13,224	7,256	20,480	20,434	46	1,429	7·0	182		182		113		113		151	
Muzaffargarh Canals	119,918	171,879	291,797	285,752	6,045	51,701	21·15	2,702		2,702		108		108		157	
Ghaggar Canals (British)	12,299	2,541	14,840	14,798	42	...	...	189	58	189	58	65	44	65	44	92	31
Do. (Bikáner)	4,613	2,540	7,153	7,153	...	...	...	202	...	202	...	23	...	23	...	92	31

NOTE.—In the case of series of canals the "base" used in calculating the duty of each canal is the number of days the canals flowed during the year. The duty for the series is calculated to a "base" of the average number of days all the canals in the series were flowing.

II E.

STATEMENT SHOWING INCIDENCE OF WORKING EXPENSES AND ASSESSED WATER REVENUE ON THE CANALS IN THE PUNJAB DURING 1901-02.

Names of Canals.	Average discharge of the year at Canal head in cubic feet per second.	Water-rate assessed in 1901-02.					Gross assessed revenue from all sources.	Working Expenses, Direct and Indirect.	Area irrigated during 1901-02.	Working Expenses.			Occupier's rates.		Total Water-rates, Direct and Indirect.	
		Occupier's.	Owner's.	Total Direct.	Indirect.	Total Direct and Indirect.				Per cent. on gross revenue.	Per acre irrigated.	Per cubic foot per second of discharge at Canal head.	Per acre irrigated.	Per cubic foot per second of discharge at Canal head.	Per acre irrigated.	Per cubic foot per second of discharge at Canal head.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Cusecs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Acres.							
Major Irrigation Works—																
Western Jumna Canal (including Sirsa Branch, British and Patiála).	3,635	16,54,589	6,63,979	23,18,568	...	23,18,568	24,17,682	9,73,472	589,955	40·26	1·48	267·80	2·80	455·18	3·93	637·84
Bári Doáb Canal	3,491	29,50,260	...	29,50,260	2,06,549	31,56,809	33,27,735	8,87,162	856,041	26·65	1·04	254·12	3·44	845·10	3·68	904·27
Sirhind Canal (British)	3,283	24,01,735	...	24,01,735	...	24,01,735	25,81,593	8,43,394	728,908	32·67	1·16	256·89	3·29	731·56	3·29	731·56
" " (Native States)	1,764	12,66,663	...	12,66,663	...	12,66,663	13,21,716	6,55,806	341,553	49·61	1·92	371·77	3·70	718·06	3·70	718·06
Chenáb "	7,376	58,99,489	5,024	59,04,513	9,15,409	68,19,922	68,86,097	13,77,834	1,748,129	20·00	0·79	186·79	3·37	799·82	3·90	924·61
Lower Sohág and Pára Canal	907	57,065	...	57,065	50,630	1,07,695	1,09,713	1,25,016	47,753	113·94	2·62	137·83	1·19	62·91	2·25	118·73
Sidhnai Canal	1,001	2,69,232	...	2,69,232	40,164	3,09,396	3,11,522	1,82,010	114,132	58·42	1·60	181·82	2·35	268·96	2·71	309·08
Minor Irrigation Works—																
Upper Sutlej Canals	3,141	2,36,454	...	2,36,454	1,08,923	3,45,377	3,59,535	2,23,351	170,849	62·12	1·31	71·10	1·38	75·28	2·02	109·95
Lower Sutlej Inundation Canals	2,184	14,990	...	14,990	1,74,260	1,89,250	3,55,310	2,70,765	163,775	76·20	1·65	123·97	0·09	6·86	1·15	86·65
Chenáb Inundation Canals	1,849	1,48,112	...	1,48,112	1,60,766	3,08,878	3,20,729	2,86,349	114,617	89·28	2·50	154·86	1·29	80·10	2·69	167·05
Indus Canals	2,125	84,427	...	84,427	2,60,199	3,44,626	3,48,381	2,17,593	174,220	62·45	1·25	102·39	0·48	39·73	1·97	162·17
Shahpur (Imperial) Canals	274	57,722	...	57,722	11,482	69,204	70,049	54,625	23,790	77·98	2·30	199·36	2·42	210·66	2·90	252·57
" (Provincial) "	182	36,158	...	36,158	7,225	43,383	44,137	47,845	20,480	108·40	2·34	262·88	1·76	198·67	2·11	238·36
Muzaffargarh Canals	2,702	...	...	...	2,67,530	2,67,530	4,75,520	3,01,731	291,797	63·45	0·97	111·66	...	...	0·91	99·01
Ghaggar Canals (British)	...	...	...	...	...	...	...	24,681	14,840	...	1·66	...	...	...	...	...
" " (Bikáner)	...	...	...	..	..	...	...	8,740	7,153	...	1·22	...	...	...	...	...

III E.

STATEMENT OF QUANTITY AND VALUE OF CROPS IRRIGATED IN THE PUNJAB DURING THE YEAR 1901-02.

III

STATEMENT OF QUANTITY AND VALUE OF CROPS

Names of Crops. English	Vernacular	Scientific	Western Jumna Canal. Area irrigated.	Western Jumna Canal. Estimated value.	Bari Doab Canal. Area irrigated.	Bari Doab Canal. Estimated value.	Sirhind Canal. Area irrigated.	Sirhind Canal. Estimated value.	Sirhind Canal, Native States Branches. Area irrigated.	Sirhind Canal, Native States Branches. Estimated value.	Chenab Canal. Area irrigated.	Chenab Canal. Estimated value.
1	2	3	4	5	6	7	8	9	10	11	12	13
Cereals—			Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Wheat ...	Gehun ...	Triticum sativum ...	228,483	77,68,422	260,118	88,44,012	214,164	66,39,084	94,685	29,35,235	796,332	2,46,86,292
Barley ...	Jao ...	Hordeum vulgare ...	16,758	4,02,192	5,152	1,28,800	83,783	16,75,660	45,596	9,11,920	22,408	4,48,160
Rice ...	Jhona ...	Oryza sativa ...	19,552	8,21,184	66,064	23,12,240	23	851	2,006	74,222	35,937	18,68,724
Maize ...	Makkai ...	Zea mays ...	1,715	30,870	94,941	17,08,938	67,250	13,45,000	33,307	6,66,140	111,308	18,92,236
Oats ...	Jawi * ...	Avena sativa ...	63	1,260	1,055	15,825	...	...	...	...	2,291	41,238
Mixed Grains	Berra ...	......	27,233	6,53,592	73,032	18,25,800	49,153	9,83,060	48,020	9,60,400	1,459	29,180
Miscellaneous	......	......	1,739	38,258	1	23	...	...	8,443	1,51,974	...	...
Millets & Pulses—												
Great Millet ...	Jowár ...	Sorghum vulgare ...	22,060	4,19,140	20,952	377,136	14,428	2,30,848	8,875	1,42,000	106,732	17,07,712
Spiked Millet	Bájra ...	Panicillaria spicata ...	11,782	1,88,512	582	9,312	25,370	4,05,920	1,334	21,344	47,164	8,48,952
Italian Millet...	Kangni ...	Setaria Italica ...	162	2,592	1,543	24,688	47	752	63	1,008	1,614	29,052
......	Mandwa...	Eleusine coracana ...	173	2,768	...	...	...	...	...	...	...	...
......	Sawánk ...	Panicum frumentaceum	...	...	412	6,180	6	90	3	45	1,196	17,940
Gram ...	Channa ...	Cicer arietinum ...	25,330	5,06,600	64,218	10,27,488	113,083	21,48,577	22,110	4,20,090	13,375	2,54,125
Lentil ..	Masúr ...	Ervum lens ...	2,626	39,390	3,168	47,520	5	75	9	135	2,401	36,015
......	Rewán ...	......	...	...	...	...	...	...	...	...	3,029	45,435
Peas ...	Matar ...	Pisum sativum ...	678	13,560	9	180	...	...	...	...	...	...
......	Másh ...	Phaseolus radiatus ...	129	2,322	480	8,640	247	4,446	78	1,404	1,612	29,016
......	Múng ...	Phaseolus mungo ...	59	944	1	16	659	10,544	674	10,784	825	13,200
......	Moth ...	Phaseolus aconitifolia	180	2,700	5,395	80,925	1,786	26,790	337	5,055	5,431	81,465
......	Guár ...	Cyamopsis psoraloides	3,494	69,880	240	4,800	4,944	98,880	1,882	37,640	738	14,760
Mixed Grains	Berra ...	......	2,454	39,264	...	...	...	...	...	...	...	...
......	China ...	Panicum miliaceum ...	41	615	334	5,010	146	2,336	56	896	13,975	2,09,625
......	Madal ...	......	...	...	439	7,024	...	...	...	...	604	10,872
Miscellaneous	......	......	414	6,210	5	75	17	255	687	10,305	...	...
Drugs & Spices—												
Tobacco ...	Tamáku ...	Nicotiana tabacum ...	610	36,600	1,359	67,950	37	1,850	3	150	3,611	1,80,550
Poppy ...	Post ...	Papaver somniferum	...	...	155	12,400	1	80	2	1,760	...	...
Aniseed & Dill	Ajwáin ...	Ptychotis ajwain ...	12	216	...	...	...	...	...	...	1	18
Fenugreek ...	Methi ...	Trigonella fœnum græ-kum.	3,174	31,740	...	...	...	...	125	1,250	1,429	31,438
Coriander ...	Dhania ...	Coriandrum sativum	179	3,580	9	180	28	560	13	260	803	16,060
Cummin ...	Zíra ...	Cuminum officinale ...	...	...	...	...	...	...	...	...	244	3,660
Turmeric ...	Haldi ...	Curcuma longa ...	...	...	34	612	...	...	...	...	...	...
Aniseed ...	Saunf ...	Pimpinella anisum ...	6	108	...	...	...	...	3	54	174	3,132
......	Kásni ...	......	...	...	...	...	...	...	...	...	2	46
Miscellaneous	......	......	143	2,288	4	64	...	...	7	105	...	...
Fibres—												
Cotton ...	Rúi ...	Gossypium herbaceum	139,410	46,00,530	75,275	21,82,975	3,835	99,710	10,377	2,69,802	169,394	50,81,820
Rosella hemp ..	San ...	Hibiscus cannabinus	...	...	1,912	38,240	905	18,100	440	8,800	1,089	21,780
False hemp ...	Sanni ...	Crotelaria juncia ...	541	10,820	...	...	...	...	...	...	2,519	50,380
......	Munjkána	Saccharum munja ...	...	...	...	...	...	...	...	...	...	...
Dyes—												
Indigo ...	Nîl ...	Indigofera tinctoria ...	568	34,080	2	44	6	210	592	20,720	115	5,750
Henna ...	Mehndi ...	Lansonia alba	...	...	...	...	...	...	...	...	...	...
Safflower ...	Kasumbha	Carthamum tinctorius	...	...	...	...	...	...	...	...	...	...
Miscellaneous	......	......	...	...	...	...	...	...	...	...	...	...
Oilseeds—												
Gingelly or Sessame.	Til ...	Sessamum indicum ...	136	2,312	2,895	57,900	141	2,397	9	153	12,518	2,75,396
Rape ...	Sarson ...	Brassica compestris ..	1,939	32,963	3,715	66,870	73,691	12,59,056	28,993	4,63,888	131,076	26,21,520
Do ...	Toria ...	Do. (Var. toria)	27	405	9,829	1,47,435	14	210	6	90	36,771	5,51,565
......	Táramíra	Eruca sativa ...	28	504	272	4,896	1,451	26,118	12	216	15,200	2,73,600
Linseed Flax...	Alsi ...	Linum usitatissimum	...	...	486	7,290	2	30	4	60	2,373	35,595
Miscellaneous	......	......	...	...	37	555	...	...	...	...	...	...
Fruits and Vegeables—												
Orchards ...	......	......	2,017	1,61,360	1,815	1,45,200	...	...	1,131	90,480	612	48,960
Chillies ...	Mirrich ...	Capsicum annum ...	736	55,200	574	34.440	20	800	47	1,880	880	44,000
Melons ...	Khurbúza	Cucumis melo ...	514	12,850	7,533	2,25,990	242	7,260	...	...	27,635	8,29,050
Carrots ...	Gájar ...	Dancus carota ...	577	23,080	40	1,600	...	...	...	...	...	...
Cress ...	Halum ...	Lepidum sativum ...	25	500	...	...	13	208	78	1,248	34	544
Onions ...	Piáz ...	Allium cepa ...	234	9,360	198	7,920	...	...	...	...	...	...
Turnips ...	Salgam ...	Brassica rapa ...	...	...	1,897	47,425	...	...	...	...	...	...
Water-nuts ...	Singhára	Trapa bicornis ...	134	7,638	30	1,080	...	...	...	...	...	...
Gardens	......	......	4,886	4,88,600	4,391	4,39,100	674	67,400	731	73,100	674	67,400
Potatoes ...	Alu ...	Solanum tuberosum ..	77	3,080	385	15,400	...	...	...	...	...	...
Vegetables ...	Tarkári ...	......	2,105	84,200	3,621	1,44,840	6,829	2,73,160	3,649	1,45,960	6,235	2,49,400
Miscellaneous	......	......	165	3,300	24	480	...	...	231	4,620	...	...
Fodder—												
Methra ...	......	......	...	...	...	...	...	...	...	...	103	2,266
Lucerne grass	Lusan ghás	Mendicago sativa ...	288	12,960	29	1,305	...	...	...	...	802	19,248
......	Senji ...	Mendicago var. ...	...	...	56,772	8,51,580	7,113	1,06,695	1,480	22,200	47,345	7,57,520
Grass	Ghás ...	... ..	205	3,075	2,062	30,930	107	1,605	82	1,230	7,937	79,370
Millets, &c.	Charri ...	......	2,011	30,165	38,831	5,82,465	40,698	6,10,470	14,376	2,15,640	42,608	6,39,120
......	Maina ...	Mendicago var.	...	...	..	..	...	...	...	...	323	4,845
Sugarcane	Ganna ...	Saccharum officinarum	51,661	61,99,320	21,236	25,05,848	8,740	9,88,637	8,396	9,48,748	60,871	51,13,164
......	Shaftal ...	......	...	...	...	...	...	...	...	...	...	...
Miscellaneous	......	......	351	5,265	1,419	21,285	...	...	...	...	785	11,775
		Total ...	577,884	†2,28,66,374	834,982	2,40,78,931	724,667	1,70,37,724	338,972	86,23,011	1,742,594	4 92,82,971
Fallows	......	......	10,626	...	5,886	...	...	...	385	...	1,408	...
Single watering	......	......	...	...	6,128	...	4,241	...	2,196	...	582	...
Plantations	......	......	...	...	9,037	...	...	...	...	...	3,455	...
Miscellaneous	......	......	1,445	...	8	...	...	...	...	...	...	...
		Total ...	*589,955	...	856,041	...	728,908	...	341,553	...	1,748,120	...

* Includes 39,639 acres on account of Sirsa Branch (Patiála State).
† Do. Rs. 11,53,676 ditto ditto ditto.

E.

IRRIGATED IN THE PUNJAB DURING THE YEAR 1901-02.

Jhelum Canal.		Lower Sohag and Para Canal.		Sidhnai Canal.		Upper Sutlej Inundation Canals.		Lower Sutlej Inundation Canals.		Chenab Inundation Canal.		Indus Inundation Canals.	
Area irrigated.	Estimated value.	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.
14	15	16	17	18	19	20	21	22	23	24	25	26	27
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
50,002	10,50,042	9,786	2,44,650	25,617	5,37,957	29,647	7,41,175	55,411	11,63,631	42,668	8,96,028	50,556	10,11,120
394	6,304	139	2,502	1,041	17,697	356	6,408	1,795	30,515	828	14,076	1,585	25,360
...	...	604	21,140	9,236	2,87,246	17,111	5,98,885	4,676	1,44,956	10,928	3,38,768	26,428	11,09,976
222	3,108	2,112	27,456	1,561	18,732	6,319	82,147	14	168	1,065	12,780	21	357
...	...	20	300	...	...	178	2,670	69	1,035	...	...	...	...
...	...	2,736	49,248	...	...	18,144	3,26,592	...	...	...	...	...	...
...	...	...	...	917	13,755	...	...	776	11,640	247	3,705	...	...
3,340	53,440	4,627	83,286	18,060	3,07,020	...	...	21,806	3,70,702	4,674	79,458	26,410	4,22,560
3,000	42,000	6,393	1,02,288	8,566	1,28,490	4,341	69,456	16,608	2,49,120	3,708	55,620	19,067	2,66,938
...	...	423	6,768	214	3,210	2,286	36,576	632	9,480	76	1,140	...	...
...	...	...	...	160	2,400	...	...	84	1,260	7	105	145	2,030
88	1,320	52	780	...	...	208	3,120	266	3,990	3	45	1,387	20,805
234	2,340	2,310	25,410	2,474	19,792	9,448	1,03,928	2,613	20,904	2,327	18,616	5,016	40,128
...	...	...	...	46	506	2	24	56	616	166	1,826	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
1	18	...	...	219	3,942	...	...	1,331	23,958	2,512	45,216	2,071	37,278
...	...	254	3,810	397	5,955	57	855	28	420	138	2,070	...	...
...	...	11	132	8	96	27	324	248	2,976	2	24	28	336
10	150	10	150	61	915	303	4,545	46	690	240	3,600	231	3,465
...	...	64	1,088	...	...	266	4,522	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
459	7,344	89	1,424	1,743	27,888	1,295	20,720	915	14,640	639	10,224	148	2,220
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	146	2,190	3	45	26	390	29	435	...	...
...	...	9	450	5	250	68	3,400	15	750	187	9,350	2,211	1,10,550
...	...	...	...	...	...	13	650	...	...	...	...	1,382	69,100
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	10	100	...	...	43	430	1,365	13,650	...	...	...	...
6	90	11	165	19	285	8	120	22	330	49	735	20	300
...	...	10	150	...	...	8	120	4	60	...	...	21	315
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	3	54
...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	60	...	...	14	210	1	15	102	1,530	28	420	2	28
1,126	36,032	4,662	1,25,874	19,739	7,10,604	22,288	6,01,776	10,790	3,88,440	9,379	3,37,644	21,577	4,09,963
...	...	...	...	51	1,020	...	...	...	...	1	20	...	...
...	...	58	870	...	...	177	2,655	...	...	...	...	1	15
...	...	...	...	...	...	12	192	...	...	...	...	...	...
...	...	...	...	2,124	63,720	15	450	18,854	5,65,620	8,672	2,60,160	6,740	2,69,600
...	...	...	...	...	...	46	690	18	270	...	...	37	555
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	320	648	11,016	5,110	86,870	1,785	30,345	4,924	83,708	2,317	39,389	1,339	26,780
76	1,140	325	4,875	936	14,040	1	15	759	11,385	160	2,400	1,966	23,592
79	1,185	2	30	...	...	66	990	...	...	...	...	...	...
124	1,488	50	600	4,127	49,524	44	528	2,878	34,536	650	7,800	...	...
147	2,205	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	67	4,020	...	...	161	9,660	913	54,780	...	...
...	...	49	1,960	14	560	67	2,680	60	2,400	21	840	53	1,696
...	...	27	540	1	20	152	3,040	1	20	2	40	...	...
1	30	1	30	...	...	9	270	1,686	42,150	...	...	15	375
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
1,998	39,960	1,587	31,740	6,938	1,38,760	3,532	70,640	9,807	1,96,140	6,750	1,35,000	3,926	78,520
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	36	3,600	...	...	124	12,400	...	...	...	...	114	11,400
...	...	...	...	...	...	...	...	...	...	...	...	...	...
41	1,640	20	800	84	3,360	91	3,640	87	3,480	656	26,240	187	7,480
5	100	...	...	...	...	...	...	89	1,780	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	61	915	...	...	...	...	462	4,620
1,649	16,490	3,735	37,350	322	3,220	19,950	1,99,500	675	6,750	1,281	12,810	1,018	10,180
...	...	5,133	76,995	3,829	57,435	26,261	3,93,915	2,930	43,950	12,361	1,85,415	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	335	30,150	223	13,826	732	65,880	9	558	836	51,832	53	4,770
...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	225	...	...	33	495	...	...	1,139	17,085	97	1,455	...	...
63,037	12,67,031	46,338	8,97,727	114,132	25,26,010	165,545	33,97,248	163,775	34,75,343	114,617	26,10,066	174,220	30,72,468
2,330	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	11	...	...	...	14	...	...	...	...	...	...	...
...	...	1,404	...	...	...	5,290	...	...	...	...	...	...	...
65,367	...	47,753	...	114,132	...	170,849	...	163,775	...	114,617	...	174,220	...

STATEMENT OF QUANTITY AND VALUE OF CROPS IRRIGATED IN THE PUNJAB DURING THE YEAR 1901-02—CONCLUDED.

Names of Crops. English.	Names of Crops. Vernacular.	Names of Crops. Scientific.	Shahpur (Imperial) Inundation Canals. Area irrigated.	Shahpur (Imperial) Inundation Canals. Estimated value.	Shahpur (Provincial) Inundation Canals. Area irrigated.	Shahpur (Provincial) Inundation Canals. Estimated value.	Muzaffargarh Inundation Canals. Area irrigated.	Muzaffargarh Inundation Canals. Estimated value.	Ghaggar Canals (British). Area irrigated.	Ghaggar Canals (British). Estimated value.	Ghaggar Canals (Bikaner State). Area irrigated.	Ghaggar Canals (Bikaner State). Estimated value.	Total area irrigated.	Total value.
1	2	3	28	29	30	31	32	33	34	35	36	37	38	39
			Acres.	Rs.	Acres	Rs.	Acres.	Rs.	Acres	Rs.	Acres	Rs.	Acres.	Rs.
Cereals—														
Wheat ...	Gehun ...	Triticum sativum ...	15,174	3,18,654	6,171	1,29,591	121,091	23,00,729	490	16,660	213	7,242	2,000,608	5,92,90,524
Barley ...	Jao ...	Hordeum vulgare ...	90	1,440	21	336	5,528	88,448	96	2,304	472	11,328	186,042	37,73,450
Rice ...	Jhona ...	Oryza sativa ...	324	12,636	1,074	41,886	34,568	7,25,928	7,018	2,94,756	...	...	235,579	86,53,398
Maize ...	Makkai ...	Zea mays ...	40	560	113	1,582	31	434	...	...	6	108	320,025	57,90,616
Oats ...	Jawi ...	Avena sativa ...	...	...	...	...	...	...	...	...	...	...	3,676	62,328
Mixed Grains	Berra ...	......	...	...	...	...	617	9,872	145	3,480	...	...	220,539	48,41,224
Miscellaneous	......	......	...	...	...	...	...	...	...	...	...	...	12,123	2,19,355
Millets & Pulses—														
Great Millet ...	Jowár ..	Sorghum vulgare ...	1,437	22,992	1,794	28,704	13,392	2,67,840	1,002	19,038	4,269	81,111	273,858	46,12,987
Spiked Millet...	Bájra ...	Panicillaria spicata ...	576	8,064	1,459	20,426	20,202	2,82,828	...	...	...	...	170,152	26,99,270
Italian Millet ..	Kangni ...	Setaria Italica ...	...	...	...	...	210	3,360	...	...	...	...	7,270	1,18,626
......	Mandwa...	Eleusine coracana ...	..	...	2	28	799	12,784	...	...	...	...	1,370	21,375
......	Sawánk ...	Panicum frumentaceum	11	165	4	60	2,336	35,040	...	...	...	...	5,972	89,580
Gram ...	Channa ...	Cicer arietinum ...	1,659	16,590	858	8,580	8,090	64,720	406	8,120	72	1,440	273,623	46,87,448
Lentil ...	Masúr ...	Ervum lens ...	120	1,440	3	36	1,717	17,170	...	...	...	...	10,319	1,44,753
......	Rewán ...	......	...	...	...	...	...	...	...	...	...	...	3,020	45,435
Peas ...	Matar ...	Pisum sativum ...	...	...	...	...	17,207	3,09,726	...	...	...	...	24,028	4,33,878
......	Másh ...	Phaseolus radiatus ...	...	...	...	...	113	1,695	...	...	...	...	3,533	60,633
......	Múng ...	Phaseolus mungo ...	...	...	...	...	7	84	...	...	...	...	2,549	39,460
......	Moth ..	Phaseolus aconitifolia	15	225	5	75	5,426	81,390	94	1,410	...	...	19,570	2,93,550
......	Guar ...	Cyamopsis psoraloides	..	...	...	...	...	...	24	480	...	...	11,652	2,32,050
Mixed Grains	Berra ...	......	...	...	...	...	...	...	...	...	...	...	2,454	39,264
......	China ...	Panicum miliaceum ...	71	1,136	15	240	444	7,104	...	...	...	...	20,370	3,11,422
......	Madal ...	......	...	...	...	...	...	...	...	...	...	...	1,043	17,896
Miscellaneous	......	......	12	180	1	15	14	210	...	...	...	...	1,354	20,310
Drugs & Spices—														
Tobacco ...	Tamáku ..	Nicotiana tabacum ...	16	800	12	600	211	10,550	...	...	...	...	8,354	4,23,800
Poppy ...	Post ...	Papaver somniferum	3	150	1	50	1	50	...	...	...	...	1,578	84,240
Aniseed & Dill	Ajwain ...	Ptychotis ajwain ...	...	...	...	...	...	...	...	...	...	...	13	234
Fenugreek ...	Methi ...	Trigonella fœnum græcum.	...	...	...	...	1,937	19,370	...	...	...	...	8,083	97,978
Coriander ...	Dhania ...	Coriandrum sativum	...	...	...	...	59	885	2	40	3	60	1,231	23,650
Cummin ...	Zíra ...	Cuminum officinale ...	...	...	...	...	3	45	...	...	...	...	290	4,350
Turmeric ...	Haldi ...	Curcuma longa ...	...	...	...	...	...	...	...	...	...	...	34	612
Aniseed ...	Saunf ...	Pimpinella anisum ...	...	...	...	...	...	...	...	...	...	...	186	3,348
......	Kásni ...	......	...	...	...	...	...	...	...	...	...	...	2	46
Miscellaneous	......	......	...	...	...	...	...	...	...	...	...	...	305	4,720
Fibres—														
Cotton ...	Rúi ...	Gossypium herbaceum	713	22,816	627	20,064	17,678	3,35,882	12	396	177	5,841	507,059	1,52,30,169
Rosella hemp ..	San ...	Hibiscus cannabinus	1	20	5	100	...	...	..	...	...	...	4,404	88,080
False hemp ...	Sanni ...	Crotelaria juncia ...	...	...	...	...	...	...	...	...	...	...	3,296	64,740
......	Munjkána	Saccharum munja ...	...	...	...	...	...	...	...	...	...	...	12	192
Dyes—														
Indigo ...	Nîl ...	Indigofera tinctoria ...	...	...	...	...	14,227	4,26,810	...	...	...	...	51,915	16,47,164
Henna ...	Mehndi ...	Lansonia alba ..	...	...	450	6,750	...	...	...	...	...	...	551	8,265
Safflower ...	Kasumbha	Carthamum tinctorius	...	...	...	...	...	...	...	...	...	...	...	...
Miscellaneous	......	......	...	...	...	...	...	...	...	...	...	...	...	...
Oilseeds—														
Gingelly or Sessame.	Til ...	Sessamum indicum ...	5	100	4	80	1,153	23,060	414	7,038	18	306	33,432	6,47,170
Rape ...	Sarson ...	Brassica compestris ...	...	...	...	...	264	3,960	962	16,354	1,522	25,874	251,385	45,47,932
Do. ...	Toria ...	Do. (Var. toria)	1	15	...	...	67	1,005	...	...	...	...	46,862	7,02,930
......	Tárámíra	Eruca sativa	7	84	...	...	2,719	32,628	301	5,418	222	3,996	28,085	4,41,936
Linseed Flax...	Alsi ...	Linum usitatissimum	...	...	1	15	2	30	...	...	...	...	3,015	45,225
Miscellaneous	......	......	...	...	...	...	5	75	..	...	...	...	42	630
Fruits and Vegetables—														
Orchards ...	......	......	...	...	...	...	291	14,550	...	...	...	...	7,007	5,29,010
Chillies ...	Mirrich ...	Capsicum annum ...	...	...	...	...	127	6,350	1	75	...	...	2,649	1,52,881
Melons ...	Khurbúza	Cucumis melo ...	11	220	3	60	14	280	229	5,725	5	125	36,369	10,85,220
Carrots ...	Gájar ...	Dancus carota ...	4	120	2	60	176	4,400	...	...	...	...	2,511	72,115
Cress ...	Halum ...	Lepidum sativum ...	...	...	...	...	...	...	...	...	...	...	150	2,500
Onions ...	Piáz ...	Allium cepa ...	1	30	...	...	30	900	26	1,040	...	...	489	19,250
Turnips ...	Salgam ..	Brassica rapa ...	498	9,960	197	3,940	9,676	1,93,520	...	...	...	...	46,806	9,45,605
Water-nuts ...	Singhára	Trapa bicornis ...	...	...	...	...	...	...	...	...	...	...	164	8,718
Gardens ...	......	......	118	11,800	86	8,600	510	51,000	...	...	...	...	12,344	12,34,400
Potatoes ...	Alu ...	Solanum tuberosum...	...	...	...	...	...	...	...	...	...	...	462	18,480
Vegetables ...	Tarkári ...	......	31	1,240	9	360	645	25,800	17	680	9	360	24,316	9,72,640
Miscellaneous	......	......	86	1,720	...	...	...	...	...	...	...	...	600	12,000
Fodder—														
Methra ...	......	......	...	...	...	...	...	...	...	...	...	...	103	2,266
Lucerne grass	Lusan ghás	Mendicago sativa ...	...	...	...	...	...	...	...	...	...	..	1,119	33,513
......	Senji ...	Mendicago var. ...	...	...	...	...	4	40	...	...	...	...	113,237	17,43,570
Grass ..	Ghás ...	......	1,446	14,460	7,432	74,320	...	...	...	...	8	120	47,909	4,91,410
Millets, &c. ...	Charri ...	......	1,244	18,660	14	210	4,185	62,775	...	...	...	...	194,481	29,17,215
......	Maina ...	Mendicago var. ...	...	...	...	...	...	...	...	...	...	...	323	4,845
Sugarcane ...	Ganna ...	Saccharum officinarum	76	6,992	117	10,764	4,645	3,43,730	5	600	..	...	157,944	1,62,84,819
......	Shaftal ...	......	...	...	...	...	...	...	...	...	...	...	...	...
Miscellaneous	......	......	...	...	...	...	15	225	...	...	...	...	3,854	57,810
		Total ...	23,790	4,73,269	20,480	3,57,532	290,436	57,67,282	11,244	3,83,614	6,996	1,37,911	5,413,709	14,71,54,510
Fallows ...	......	......	...	...	...	...	1,361	...	...	...	...	...	22,086	...
Single watering	......	......	...	...	...	...	...	...	3,596	...	157	...	16,900	...
Plantations ...	......	......	...	...	...	...	...	...	...	...	...	..	12,517	...
Miscellaneous	......	......	...	...	...	...	...	...	...	...	...	...	8,147	...
		Total ...	23,790	...	20,480	...	291,797	...	14,840	...	7,153	...	5,473,359	...

IV E.

COMPARATIVE STATEMENT OF IRRIGATION AND RAINFALL FOR THE YEAR 1901-02 AND 1900-01 IN THE PUNJAB.

IV E.

COMPARATIVE STATEMENT OF IRRIGATION AND RAINFALL FOR THE YEAR 1901-02 AND 1900-01 IN THE PUNJAB.

Civil District.	Of the Civil District.			Name.	Culturable area commanded by Irrigation Works in column 5, in acres.	Area at present estimated as annually irrigable by the works specified in column 5.	Area irrigated, in acres.						Rainfall, inches.	
	Total area, in acres.	Culturable area, in acres.	Cultivated area, in acres.				1901-02.			1900-01.			1901-02.	1900-01.
							Kharíf.	Rabi.	Total.	Kharíf.	Rabi.	Total.		
1	2	3	4	5	(a) 6	(a) 7	8	9	10	11	12	13	14	15
Delhi	811,429	670,411	540,660	Western Jumna Canal ...	171,315	82,754	24,342	51,264	75,606	37,990	11,246	49,236	10·80	33·3
Rohtak	1,154,183	1,084,657	962,120		498,654	177,947	61,581	58,167	119,748	77,044	39,745	116,789	...	...
Karnál	2,015,362	1,726,009	1,119,846		598,832	235,440	55,254	88,489	143,743	93,433	46,082	139,515	...	...
Umballa	1,187,696	861,585	762,933		4,805	2,493	1,790	1,995	3,785	2,006	1,701	3,707	...	...
Hissár	3,320,595	3,127,101	2,580,712	Western Jumna Canal ...	484,853	195,440	82,973	81,253	164,226	120,021	51,097	171,118	5·20	16·8
				Sirhind Canal	42,961	9,780	824	4,372	5,196	2,432	455	2,887	...	...
				Ghaggar Canals	83,268	34,000	12,299	2,541	14,840	16,560	22,549	39,109	..	...
				Total ...	611,082	239,220	96,096	88,166	184,262	139,013	74,101	213,114	...	...
Jínd State ...	805,760	...	...	Western Jumna Canal ...	114,904	62,468	20,492	20,347	40,839	24,712	13,655	38,367	11·30	23·60
				Sirhind Canal	14,675	3,671	7,568	19,565	(b) 27,133	10,469	8,022	(c) 18,491	...	...
				Total ...	129,579	66,139	28,060	39,912	67,972	35,181	21,677	56,858	...	...
Bikáner State ...	...	...	...	Western Jumna Canal ...	1,762	642	545	138	683	246	474	720	2·8	13·4
				Ghaggar Canals	75,000	22,500	4,613	2,540	7,153	9,174	3,221	12,395	...	...
				Total ...	76,762	23,142	5,158	2,678	7,836	9,420	3,695	13,115	...	...
Patiála State ...	3,468,160	...	...	Western Jumna Canal ...	202,442	38,452	19,901	19,138	39,039	32,003	13,781	45,784	10·7	28·1
				Sirhind Canal	358,166	108,618	84,082	270,372	354,454	170,870	97,252	268,122	...	...
				Total ...	560,608	147,070	103,983	289,510	(d) 393,493	202,873	111,033	(e) 313,906	...	...
Kalsia State ...	107,520	...	...	Western Jumna Canal ...	2,451	1,382	1,052	1,234	2,286	993	896	1,889	...	...
				Sirhind Canal	12,924	3,231	1,095	2,313	3,408	2,800	1,598	4,398	...	...
				Total ...	15,375	4,613	2,147	3,547	5,694	3,793	2,494	6,287	...	...

Ludhiána ...	890,795	824,025	766,809	Sirhind Canal	267,628	70,507	27,137	41,671	68,808	32,981	33,276	66,257	14·64	31·01
Ferozepore ...	2,613,010	2,457,337	2,100,120		1,363,157	434,667	106,570	356,271	462,841	254,629	220,576	475,205	5·97	16·93
Nábha State ...	593,920	...	...		145,642	39,817	20,600	51,372	(f) 71,972	34,708	23,776	(g) 58,484	...	...
Farídkot State ...	411,520	...	...		251,257	79,709	13,638	63,011	76,649	46,233	21,850	68,083	...	...
Amritsar	996,923	875,739	782,067	Bári Doáb Canal	629,342	311,239	125,758	189,336	315,094	143,443	146,457	289,900	18·65	27·29
Gurdáspur ...	1,166,987	944,065	844,428		139,639	52,821	29,340	27,211	56,551	29,294	19,899	49,193	23·20	44·01
Lahore	2,307,155	1,867,774	1,242,880	Bári Doáb Canal	710,276	485,014	220,149	264,247	484,396	276,421	245,787	522,208	10·64	22·80
				Chenáb Canal	80,859	1,152	981	1,116	2,097	1,175	1,251	2,426	...	...
				Upper Sutlej Canals	213,846	71,282	24,356	31,527	55,883	40,431	51,332	91,763	5·95	11·94
				Total ...	1,004,981	557,448	245,486	296,890	542,376	318,027	298,370	616,397	...	...
Montgomery ...	2,951,402	2,438,617	351,398	Chenáb Canal	48,739	5,763	2,017	1,706	3,723	3	943	946	6·23	9·04
				Lower Sohág and Pára Canal	201,206	86,309	29,362	18,391	47,753	52,467	33,696	86,163	...	...
				Upper Sutlej Canals	352,702	176,401	79,641	35,325	114,966	100,491	97,880	198,371	...	...
				Total ...	602,647	268,473	111,020	55,422	166,442	152,961	132,519	285,480	...	...
Mooltan	3,820,499	3,472,829	999,021	Sidhnai Canal	344,000	194,900	73,954	40,178	114,132	73,822	95,958	169,780	3·27	2·71
				Lower Sutlej Inundation Canals.	905,152	271,545	86,046	77,729	163,775	99,924	121,797	221,721	4·92	6·13
				Chenáb Inundation Canals ...	434,848	130,455	57,200	57,417	114,617	70,916	98,437	169,353	2·49	3·90
				Total ...	1,684,000	596,900	217,200	175,324	392,524	244,662	316,192	560,854	...	...
Muzaffargarh ...	2,016,249	1,682,670	491,768	Muzaffargarh	642,293	318,225	119,918	171,879	291,797	136,232	180,219	316,451	2·26	5·13
Dera Ghází Khan	3,219,727	2,360,210	955,382	Indus Canals	300,000	225,000	104,984	69,236	174,220	149,973	72,592	222,565	3·00	5·34
Gujránwála ...	1,907,192	1,755,751	1,045,068	Chenáb Canal	793,911	329,013	179,458	263,938	443,396	212,330	279,342	491,672	11·44	12·77
Jhang	4,375,899	4,105,065	1,139,068	Chenáb Canal	1,982,126	1,163,542	483,652	815,261	1,298,913	557,599	777,882	1,335,481	6·06	6·67
				Jhelum Canal	280,713	5,000	39	4,404	4,443	...	...	...	4·75	2·12
				Total ...	2,262,839	1,168,542	483,691	819,665	1,303,356	557,599	777,882	1,335,481	...	...
Shahpur	3,032,382	1,967,320	747,523	Jhelum Canal	687,864	70,000	11,889	49,035	60,924	...	...	...	8·91	13·71
				Shahpur Canals (Imperial) ...	62,954	42,000	6,135	17,655	23,790	23,857	26,524	50,381	12·46	11·98
				Ditto (Provincial)	53,255	27,000	13,128	7,188	20,316	20,929	12,381	33,310	11·11	10·99
				Total ...	804,073	139,000	31,152	73,878	105,030	44,786	38,905	83,691	...	...
Jhelum	2,545,845	1,273,438	1,028,858	Shahpur Canals (Provincial)	...	...	96	68	164	1,076	1,204	2,280	...	...
				Grand Total ...	13,558,421	5,570,179	2,194,459	3,278,900	5,473,359	2,959,687	2,874,833	5,834,520	...	...

(a) Columns 6 and 7 exclude the "Culturable area commanded" and "Area annually irrigable" by the Native States Branches of the Sirhind Canal.
(b) Includes 24,934 acres irrigated by the Native States Branches, Sirhind Canal.
(c) Do. 17,121 ditto ditto ditto.
(d) Do. 280,601 ditto ditto ditto and 39,039 acres by the Sirsa Branch, Western Jumna Canal, in the Patiála State.
(e) Do. 199,081 ditto ditto ditto and 45,784 ditto ditto ditto.
(f) Do. 36,018 ditto ditto ditto.
(g) Do. 23,874 ditto ditto ditto.

I F.

Statement showing Occupier's rate and Owner's rate in force on the Canals in the Punjab during the year 1901-02.

Authority.	Class.	Nature of crops.	Rate per acre. Flow.	Rate per acre. Lift.	Per
			Rs. A. P.	Rs. A. P.	
		WESTERN JUMNA CANAL, INCLUDING SIRSA BRANCH.			
		OCCUPIER'S RATE.			
Irrigation Branch Notification No. 431 I., dated 19th February 1895.	I	Sugarcane	5 10 0	3 12 3	Crop.
	II	Rice and water-nuts	4 2 0	2 12 0	Do.
	III	Tobacco, poppy, vegetables, gardens and orchards, drugs and spices	3 6 0	2 4 0	Gardens and orchards per half-year; the rest per crop.
	IV	Cotton, indigo, and all Rabi crops, except gram and masúr, maize	2 8 0	1 10 8	Crop.
	V	All other Kharíf crops, gram and masúr	1 12 0	1 2 8	Do.
	VI	Single watering not followed by a crop	0 12 0	0 8 0	Watering.
		Crops grown on the moisture of a previous crop ...			Crop.
	VII	Special rate:—Single watering before ploughing for Rabi followed by a crop	1 2 0	0 12 0	Do.
		WESTERN JUMNA CANAL.			
		OWNER'S RATE.			
Irrigation Branch Notification No. 1005 I., dated 11th April 1899.	...	*Rule for the assessment of the owner's rate on all lands irrigated from the Western Jumna Canal in the Districts of Delhi, Rohtak, and the Pánipat Tahsil of Karnál, and that part of the Karnál Tahsil which formerly belonged to the Pánipat District, and has been re-assessed in the Settlement of Karnál District.*			
		Rule.			
		In all estates receiving irrigation from the Western Jumna Canal, the owner's rate shall, until further orders, be assessed at one-half of the occupier's rate for the time being in force, leviable on occupiers of canal-irrigated lands.			
		Proviso 1st.—The owner's rate shall nowhere exceed the sum which, under the rules for the time being in force for the assessment of land revenue, might be assessed on such land on account of the increase in the annual value of produce thereof caused by the canal.			
		Proviso 2nd.—All lands irrigated from wells or other sources besides canals, and assessed at irrigated rates at the settlement now in force, shall be excluded from the operations of owner's rate. This rate will be first collected in the Pánipat Tahsil from the autumn harvest of 1878-79, and in the rest of the tract under reference from the autumn harvest of 1879-80.			
Irrigation Branch Notification No. 1006 I., dated 11th April 1899.	...	*Rule for the assessment of the owner's rate on all lands irrigated from the Western Jumna Canal in the Indri Pargana and Kaithal and Thánesar Tahsils of the Karnál District and the Jagádhri Tahsil of the Umballa District.*			
		Rule.			
		In all estates receiving irrigation from the Western Jumna Canal, the owner's rate shall, until further orders, be assessed at one-half of the occupier's rate for the time being in force, leviable on occupiers of canal-irrigated lands.			
		Proviso.—The owner's rate shall nowhere exceed the sum which, under the rules for the time being in force for the assessment of land revenue, might be assessed on such land on account of the increase in the annual value of produce thereof caused by the canal.			

Statement showing Occupier's rate and Owner's rate in force on the Canals in the Punjab during the year 1901-02—continued.

Authority.	Class.	Nature of crops.	Rate per acre. Flow.	Rate per acre. Lift.	Per
			Rs. A. P.	Rs. A. P.	
		WESTERN JUMNA CANAL—*concluded.*			
		OWNER'S RATE—*concluded.*			
		This rate will be first collected in the Indri Pargana from the autumn harvest of 1886, and in the rest of the tract under reference from the autumn harvest of 1888.			
Irrigation Branch Notification No. 1007 I., dated 11th April 1899.	...	*Rule for the assessment, until further orders, of the owner's rate on all lands irrigated from the Western Jumna Canal in the Hissár District.*			
		Rule.			
		In all estates receiving irrigation from the Western Jumna Canal the owner's rate shall, until further orders, be assessed at one-half of the occupier's rate for the time being in force leviable on occupiers of canal-irrigated lands.			
		Proviso.—The owner's rate shall nowhere exceed the sum which, under the rules for the time being in force for the assessment of land revenue, might be assessed on such land on account of the increase in the annual value of produce thereof caused by the canal.			
		The rate will be first collected from the autumn harvest of 1890.			
		SIRSA BRANCH OF THE WESTERN JUMNA CANAL.			
		II.—OWNER'S RATE.			
Irrigation Branch Notification No. 1008 I., dated 11th April 1899.	...	*Rule for the imposition of an owner's rate on the owners of land irrigated from the Sirsa Branch of the Western Jumna Canal.*			
		Rule.			
		On land receiving irrigation from the Sirsa Branch of the Western Jumna Canal, an owner's rate shall be assessed equal to one-half of the occupier's rate, for the time being in force, payable on such land.			
		Proviso 1st.—The owner's rate shall nowhere exceed the sum which, under the rules for the time being in force for the assessment of land revenue, might be assessed on such land on account of the increase in the annual value of produce thereof caused by the canal.			
		Proviso 2nd.—All lands irrigated from wells or other sources besides canals, and assessed at irrigated rates at the settlement now in force, shall be excluded from the operation of owner's rate.			
		The above owner's rate will come into force with effect from the Rabi crop of 1891-92.			
		LOWER CHAUTANG NALLA CANAL.			
		OCCUPIER'S RATE.			
Irrigation Branch Notification No. 1631 I., dated 27th April 1900.	II	Sugarcane, rice, water-nuts...	4 2 0	2 12 0	Crop.
	IV	Cotton, indigo, maize	2 8 0	1 10 8	Do.
	V	Other Kharif crops	1 12 0	1 2 8	Do.
	VII	*Special rate.*—Single watering before ploughing for Rabi followed by a crop	1 2 0	0 12 0	Do.

Statement showing Occupier's rate and Owner's rate in force on the Canals in the Punjab during the year 1901-02—continued.

Authority.	Class.	Nature of Crops.	Rate per acre.		Per
			Flow.	Lift.	
			Rs. A. P.	Rs. A. P.	
		BARI DOAB CANAL.			
		OCCUPIER'S RATE.			
Irrigation Branch Notification No. 2621 I., dated 10th June 1891.	I	Sugarcane and water-nuts	7 1 0	3 8 6	Crop.
	II	Rice	6 0 10	3 0 5	Do.
	III	Orchards and gardens, tobacco, poppy and other drugs, vegetables, melons...	4 8 8	2 4 4	Orchards and gardens per half year; the rest per crop.
	IV	All dyes, fibres and oilseeds; all Rabi crops except gram and masúr	3 12 6	1 14 3	Crop.
	V	All Kharíf crops not specified above; Rabi crops of gram and masúr; all fodder crops	2 12 5	1 6 2½	Do.
	VI	Special rate, which may be made applicable to channels selected by the Local Government. A single watering before ploughing for Rabi followed by a crop	2 0 4	1 0 2	Do.
	VII	A single watering before ploughing not followed by a crop ... ... Crops grown on the "*wadh*" of a previous crop ...	1 0 2	0 8 1	Each watering. Crop.
		SIRHIND CANAL.			
		OCCUPIER'S RATE.			
Irrigation Branch Notification No. 6616 I., dated 27th November 1888.	I	Sugarcane, rice, water-nuts...	7 8 0	5 0 0	Crop.
	II	Gardens, orchards, tobacco, poppies, vegetables, indigo, maize...	4 8 0	3 0 0	Do.
	III	Cotton, fibres, all dyes (except indigo), all Rabi crops (except gram and masúr)	3 12 0	2 8 0	Do.
	IV	All Kharíf crops not specified above, and Rabi crops of gram and masúr	2 10 0	1 12 0	Do.
	V	A single watering before ploughing not followed by a crop	0 12 0	0 8 0	Each watering.
	VI	Special rate which may be made applicable to channels selected by the Local Government:—			
		A single watering before ploughing for Rabi followed by a Rabi crop	1 8 0	1 0 0	Crop.
		CHENAB CANAL.			
		OCCUPIER'S RATE.			
		Applicable to—			
		(*a*) *all estates in the Gujránwála District which were established before the* 1st *January* 1892;			
		(*b*) *all estates in the Jhang District which were established before* 1st *January* 1892, *except those which were transferred from the Montgomery to the Jhang District by Revenue and Agriculture Notification No.* 370 *of* 4th *May* 1899; *and such proprietary wells of the said Jhang District as are now included within the boundaries of the Colony mauzas.*			
		(*c*) *all estates in the Gugera and Montgomery Tahsils of the Montgomery District which were established before* 1st *January* 1894.			

Statement showing Occupier's rate and Owner's rate in force on the Canals in the Punjab during the year 1901-02—continued.

Authority.	Class.	Nature of crops.	Rate per acre. Flow.	Rate per acre. Lift.	Per.
			Rs. A. P.	Rs. A. P.	
		CHENAB CANAL—*concluded.*			
		Occupier's Rate—*concluded.*			
		Applicable to—			
Irrigation Branch Notifications No. 1304 I., dated 3rd April 1900, and No. 2657 I., dated 11th December 1900.	I	Sugarcane, water-nuts	8 0 0	4 4 0	Crop.
	II	Rice	6 12 0	3 10 0	Do.
	III	Orchards, gardens, tobacco, poppy, indigo, drugs, vegetables, melons	5 8 0	3 0 0	Orchards and gardens per half-year; the rest per crop.
	IV	Cotton, fibres, dyes (other than indigo), oilseeds, maize and all Rabi crops (except gram and masúr).	4 4 0	2 6 0	Crop.
	V	All Kharíf crops not otherwise specified, and gram and masúr	3 0 0	1 12 0	Do.
	VI	Single watering before sowing not followed by a crop	1 12 0	1 2 0	Each watering.
		Also crops grown on the "*wadh*" of a previous crop			Crop.
Irrigation Branch Notification No. 093 R. I., dated 2nd September 1901.	VII	Single watering before ploughing for Rabi followed by a Rabi crop; to be applicable only to channels selected by the Local Government ...	2 4 0	1 6 0	Do.
		Applicable to estates other than those referred to in Notification No. 1304 I., dated 3rd April 1900 above.			
Irrigation Branch Notification No. 32 I., dated 6th January 1892.	I	Sugarcane	7 8 0	3 12 0	Crop.
	II	Rice	6 4 0	3 2 0	Do.
	III	Orchards, gardens, tobacco, indigo, vegetables, poppy, dhania, zíra, sauuf, melons	5 0 0	2 8 0	Orchards and gardens per half-year; the rest per crop.
	IV	Cotton, fibres, dyes (other than indigo), oilseeds, maize and all Rabi crops (except gram and masúr)	3 12 0	1 14 0	Crop.
	V	All Kharif crops not otherwise specified, and gram and masúr	2 8 0	1 4 0	Do.
		Single watering before sowing not followed by a crop	1 4 0	0 10 0	Each watering.
		Also crops grown on the "*wadh*" of a previous crop			Crop.
Irrigation Branch Notifications No. 1306 I., dated 3rd April 1900, and No. 2657 I., dated 11th December 1900.	...	*Rule for the imposition of an owner's rate upon the owners of lands irrigated from the Chenáb Canal.*			
		Rule.			
		The owner's rate shall be at the rate of one rupee per acre per crop irrigated, provided that no owner's rate shall be levied on any of the estates named below :—			
		(*a*) Estates in the Gujránwála District which were established before the 1st January 1892;			
		(*b*) Estates in the Jhang District which were established before the 1st January 1892, except those which were transferred from the Montgomery to the Jhang District by Revenue and Agriculture Notification No. 370 of 4th May 1899; and such proprietary wells of the said Jhang District as are now included within the boundaries of the Colony mauzás.			
		(*c*) Estates in the Gugera and Montgomery Tahsíls of the Montgomery District which were established before the 1st January 1894.			

Statement showing Occupier's rate and Owner's rate in force on the Canals in the Punjab during the year 1901-02—continued.

Authority.	Class.	Nature of crops.	Rate per acre. Flow.	Rate per acre. Lift.	Per.
			Rs. A. P.	Rs. A. P.	
		LOWER SOHAG AND PARA CANAL.			
		OCCUPIER'S RATE.			
Irrigation Branch Notification No. 423 I., dated 7th March 1898.	I	Rice, gardens, pepper	3 4 0	1 10 0	Acre.
	II	Cotton, sugarcane, melons, til and hemp	2 4 0	1 2 0	Do.
	III	All other Kharíf crops	1 4 0	0 10 0	Do.
	IV	All matured Rabi crops, plantations and vegetables,	1 0 0	0 8 0	Do.
	V	Failed Rabi crops, and grasses	0 8 0	0 4 0	Do.
		SIDHNAI CANAL.			
		WATER RATES.			
		Kabírwála and Mooltan Tahsíls.	*Rate per acre.*		
Punjab Civil (Revenue) Department letter No. 269, dated 11th December 1899.	I	Rice, fruits and vegetables, pepper, cotton, til, sugarcane, wheat and tobacco.	3 5 0		
	II	Other Kharíf crops	2 6 0		
	III	Other Rabi crops	2 2 0		
		Note.—"Lift" rates to be half the "flow" rates.			
		UPPER SUTLEJ INUNDATION CANALS.			
		MONTGOMERY DISTRICT.			
		Occupier's Rates.			
Irrigation Branch Notification No. 422 I., dated 7th March 1898.	I	Rice, gardens, pepper	3 4 0	1 10 0	Acre.
	II	Cotton, sugarcane, melons, til, hemp	2 4 0	1 2 0	Do.
	III	All other Kharíf crops	1 4 0	0 10 0	Do.
	IV	All matured Rabi crops, plantations and vegetables	1 0 0	0 8 0	Do.
	V	Failed Rabi crops and grasses	0 8 0	0 4 0	Do.
		LAHORE DISTRICT.			
		Occupier's Rates.			
Irrigation Branch Notification No. 1508 I., dated 18th April 1900.	I	Rice, gardens, pepper	3 4 0	1 10 0	Acre
	II	Cotton, sugarcane, melons, til, hemp	2 4 0	1 2 0	Do.
	III	All other Kharíf crops	1 4 0	0 10 0	Do.
	IV	All matured Rabi crops, plantations and vegetables,	1 0 0	0 8 0	Do.
	V	Failed rabi crops and grasses	0 8 0	0 4 0	Do.
		CHENAB INUNDATION CANALS.			
		OCCUPIER'S RATES.			
		Gajjuhatta, Sikandarabad, Sikandarwah and Bilochanwah Canals.			
Irrigation Branch Notification No. 2136 I., dated 9th November 1899.	I	Rice, gardens and pepper	2 4 0	1 11 0	Acre of matured crop.
	II	Cotton, sugarcane and til	1 12 0	1 5 0	Do.
	III	Other Kharíf crops	1 8 0	1 2 0	Do.
	IV	Rabi crops	0 14 0	0 10 0	Do.
		NOTE.—Irrigation on grass lands may be assessed at half Rabi rates at the discretion of the Deputy Commissioner.			

Statement showing Occupier's rate and Owner's rate in force on the Canals in the Punjab during the year 1901-02—continued.

Authority.	Class.	Nature of crops.	Rate per acre. Flow.	Rate per acre. Lift.	Per.
			Rs. A. P.	Rs. A. P.	
		CHENAB INUNDATION CANALS—*concluded.*			
		OCCUPIER'S RATE—*concluded.*			
		Mattithal, Durána Langána, and Wali Muhammad Canals.			
Irrigation Branch Notification No. 01522 I., dated 25th September 1900.	I	Rice, gardens and pepper	2 4 0	1 11 0	Acre of matured crop.
	II	Cotton, sugarcane and til	1 12 0	1 5 0	Do.
	III	Other Kharíf crops	1 8 0	1 2 0	Do.
	IV	Rabi crops	0 14 0	0 10 0	Do.
		NOTE.—Irrigation on grass lands may be assessed at half Rabi rates at the discretion of the Deputy Commissioner.			
		HAJIWAH CANAL.			
Irrigation Branch Notification No. 103 R.I., dated 23rd November 1901.	..	In exercise of the powers conferred by Section 75 of the Northern India Canal and Drainage Act, 1873 (VIII of 1873), and with the previous sanction of the Governor-General in Council, the Lieutenant-Governor is pleased to direct, in supersession of the Notification of the Government of the Punjab, Irrigation Branch, No. 1308 I., dated 3rd April 1900, that for all irrigation from the Hájiwah Canal a charge per acre actually matured shall be made in accordance with the following schedule, namely :—			
		OCCUPIER'S RATES.			
	I	Rice, gardens and pepper	2 4 0	1 11 0	Acre.
	II	Cotton, sugarcane and til	1 12 0	1 5 0	Do.
	III	Other Kharíf crops	1 8 0	1 2 0	Do.
	IV	Rabi crops	0 14 0	0 10 0	Do.
		Provided that on all irrigation, within the original grant of land made in the year 1880 to the late Ghulam Kadir Khan of lands the proprietary right in which is or may hereafter become vested			
		(*a*) in the sons of lineal descendants of the said Ghulam Kadir Khan; or			
		(*b*) in Mian Muhammad Khan or Hafiz Muhammad Afzal Khan, the nephews of the said Ghulam Kadir Khan, or their lineal descendants,			
		the charge per acre actually matured, whether in the Kharíf or Rabi, shall be limited to the following rates, namely :—			
		Rs. a. p.			
		Flow ... 0 12 0 per acre.			
		Lift ... 0 9 0 "			

Statement showing Occupier's rate and Owner's rate in force on the Canals in the Punjab during the year 1901-02—continued.

Authority	Class.	Nature of crops.	Rate per acre. Flow.	Rate per acre. Lift.	Per
			Rs. A. P.	Rs. A. P.	
		INDUS INUNDATION CANALS.			
		OCCUPIER'S RATES.			
		Sangarh Tahsíl, Dera Ghâzi Khan District.			
Irrigation Branch Notification No. 660 I., dated 5th April 1898.	...	Kharíf or Rabi	0 8 0	0 4 0	Acre.
		Proviso.—*Provided always that all lands irrigated from the Massuwah Canal lying in the villages of Rori and Bet Lodha shall be entirely exempt from all Occupier's rates, and that all lands irrigated from the said Canal lying in the villages of Mari Pachâdi and Mari Dharmiyâni shall pay only half the above mentioned Occupier's rates.*			
		FAZILWAH DHORI CANALS, DERA GHAZI KHAN DISTRICT.			
Irrigation Branch Notification No. 661 I., dated 5th April 1898.	...	Kharíf or Rabi	1 0 0	0 12 0	Acre.
		KUTAB AND KADRA CANALS.			
		Râjanpur Tahsíl, Dera Ghâzi Khan District.			
Irrigation Branch Notification No. 662 I., dated 5th April 1898.	...	Kharíf	0 6 0	0 3 0	Acre.
		Rabi	0 3 0	0 1 6	Do.
		DERA GHAZI KHAN, JAMPUR AND RAJANPUR TAHSILS, DERA GHAZI KHAN DISTRICT.			
		Canals.			
		MANKA, SHORIA, KASTURI DHINGANA, CHIBRI, SAHIBAN, GAMUNWAH, SOHAN, NUR, DHUNDI (INCLUDING ALL THE BRANCHES OF THESE CANALS).			
Irrigation Branch Notification No. 663 I., dated 5th April 1898.	...	Kharíf	0 9 0	0 4 6	Acre.
		Rabi	0 4 6	0 2 3	Do.
		SHAHPUR (IMPERIAL) INUNDATION CANALS.			
		OCCUPIER'S RATE.			
		For the Canals in Shâhpur and Bhera Tahsíls.			
Irrigation Branch Notification No. 1379 I., dated 19th November 1894.	...	Rice	3 8 0	1 4 0	Acre.
		All other crops	2 8 0	1 4 0	Do.
		Grass land	1 4 0	1 4 0	Do.
		SHAHPUR (PROVINCIAL) INUNDATION CANALS.			
		OCCUPIER'S RATE.			
		Râniwah.			
Settlement Report, 1887-94, page 106.	...	Rice	3 8 0	1 4 0	Acre.
		All other crops	2 8 0	1 4 0	Do.
		Grass lands	1 4 0	1 4 0	Do.
		Corbynwah.			
		All crops	1 8 0	0 12 0	Acre.
		Grass lands	0 2 0	0 1 0	Do.

Statement showing Occupier's rate and Owner's rate in force on the Canals in the Punjab during the year 1901-02—concluded.

Authority.	Class.	Nature of crops.	Rate per acre.		Per.
			Flow.	Lift.	
			Rs. A. P.	Rs. A. P.	
		PIND DADAN KHAN CANAL.			
		OCCUPIER'S RATE.			
Irrigation Branch Notification No. 01689 I., dated 8th October 1900.	I	On all crops if matured	1 8 0	0 12 0	
	II	On uncultivated land if irrigated and producing a crop of grass.	0 2 0	0 2 0	
		DELHI AND GURGAON WORKS.			
		OCCUPIER'S RATE.	*Rate per acre.*		
Irrigation Branch Notification No. 653 I., dated 5th April 1898.	...	All crops	0 6 $4\frac{1}{2}$		Acre.
		Grass	0 3 $2\frac{3}{4}$		Do.
		NOTE.—*This schedule is the same as that published in Notification No. 5253 I., dated 8th December 1873, which is hereby superseded.*			
		SCHEDULE OF RATES FOR SUPPLY OF WATER FOR PURPOSES OTHER THAN IRRIGATION.			
		WESTERN JUMNA CANAL, BARI DOAB CANAL, SIRHIND CANAL, CHENAB CANAL, UPPER SUTLEJ CANALS, LOWER SOHAG AND PARA CANALS, SIDHNAI AND SUBSIDIARY CANALS, LOWER SUTLEJ AND CHENAB CANALS, INDUS CANALS, MUZAFFARGARH CANALS, SHAHPUR CANALS.			
Irrigation Branch Notification No. 651 I., dated 5th April 1898.	...	Brick-making and *pisé* wall building	0 3 0		100 cubic feet.
		Laying concrete and brick or stone masonry ...	0 2 0		Do.
		Metalling roads	10 0 0		Mile.
		Water supplied in bulk	1 0 0		2,500 cubic feet.
		Watering road-side or avenue trees	0 0 6		Tree per year.
		Proviso.—*No charge shall be made for water used for the manufacture of bricks not subsequently burnt in a kiln or for "pisé" wall building, if taken from a village tank lawfully supplied from a canal.*			